Z. Phys. A – Atoms and Nuclei 300, 359–381 (1981)

Zeitschrift für Physik A Atoms and Nuclei

© Springer-Verlag 1981

Author Index to Vols 291–300

A

Abazov, V.M., Milanov, M., Kolev, D., Nenoff, N., Todorov, B., Nuclear Reactions Induced by Stopped Negative Pions in ^{133}Cs, ^{93}Nb and ^{45}Sc. **296**, 65–72 (1980)

Abrosimov, V.I., Excitation of Lowest 0^+-States in Two-Neutron Transfer Reactions in Even Actinides. **293**, 17–24 (1979)

Abul-Magd, A.Y., Entrance-Channel Angular-Momentum Dependence of Mass Transfer Between Heavy Ions. **298**, 143–147 (1980)

Abul-Magd, A.Y., s. Simbel, M.H. **294**, 277–280 (1980)

Adachi, M., Muroi, A., Matsuzaki, T., Taketani, H., Low-Lying States in ^{112}In. **295**, 251–258 (1980)

Adamides, E., s. Kalfas, C.A., et al. **292**, 153–158 (1979)

Adler, J.-O., Andersson, G., Gustafsson, H.-Å., Hansen, K., Emission of Hydrogen and Helium Nuclei from Au, Ag and Cu Irradiated by 500 MeV Bremsstrahlung. **295**, 65–72 (1980)

Aehlig, A., The Production of Roentgenbremsstrahlung by Transversely Polarized Electrons. **294**, 291–297 (1980)

Aepfelbach, G., s. Zimmermann, D., et al. **295**, 307–310 (1980)

Afanasjev, V.P., s. Alkhazov, G.D., et al. **291**, 397–398 (1979)

Afzal Ansari, M., s. Agrawal, H.M., et al. **300**, 313–314 (1981)

Agarwal, S., Life Time of the Intermediate Complex in a Deep Inelastic Collision Depends on the Mass Asymmetry of the Entrance Channel. **297**, 41–53 (1980)

Agarwal, S., Galin, J., Gatty, B., Guerreau, D., Lefort, M., Tarrago, X., Babinet, R., Girard, J., The Influence of the Entrance Channel Mass Asymmetry on the Reaction Mechanism. Investigated on the ^{16}O+^{29}Mo and ^{52}Cr+^{56}Fe Systems. **296**, 287–294 (1980)

Agarwal, S., s. Borderie, B., et al. **299**, 263–271 (1981)

Agrawal, H.M., Wasim, M., Afzal Ansari, M., Sehgal, M.L., Activation Cross-Sections for ^{209}Bi (n, α) ^{206}Tl Reaction. **300**, 313–314 (1981)

Ahmad, I., s. Wilson, J., et al. **296**, 185–186 (1980)

Ahmad-Bitar, R.N., s. Georgiadis, A.P., et al. **300**, 277–279 (1981)

Akkermans, J.M., On the Calculation of Mean Lifetimes in the Preequilibrium Exciton Model. **292**, 57–59 (1979)

Akkermans, J.M., Gruppelaar, H., Random-Walk Model of Precompound Decay: Dynamics and Multi-Particle Emission. **300**, 345–358 (1981)

Albouy, G., s. Auger, G., et al. **296**, 319–322 (1980)

Albrecht, R., Wurm, J.P., Berinde, A., Deberth, C., Zoran, V., A (p, p' γ) Angular Correlation Study of an Intermediate Structure in the 3^- Exit Channel of ^{40}Ca+p. **295**, 287–294 (1980)

Albrecht, R., s. Ho, H., et al. **300**, 205–216 (1981)

Albrecht, R., s. Kühn, W., et al. **298**, 95–101 (1980)

Aleklett, K., Hoff, P., Lund, E., Rudstam, G., Delayed Neutron Emission Probabilities of the Precursors $^{89, 90, 91}$Br and $^{139, 140, 141}$I. **295**, 331–332 (1980)

Aleklett, K., s. Hoff, P., et al. **300**, 289–298 (1981)

Aleklett, K., s. Lund, E., et al. **294**, 233–240 (1980)

Alexander, J.M., s. Babinet, R., et al. **295**, 153–167 (1980)

Alkhazov, G.D., Batist, L.Kh., Berlovich, E.Ye., Blinnikov, Yu.S., Yelkin, Yu.V., Mezilev, K.A., Novikov, Yu.N., Pantelejev, N.V., Poljakov, A.G., Schigolev, N.D., Tarasov, V.N., Afanasjev, V.P., Gromov, K.Ya., Jachim, M., Janicki, M., Kalinnikov, V.G., Kormicki, J., Potempa, A., Rurarz, E., Tarkanyi, F., Yushkievich, Yu.V., New Neutron Deficient Lutetium Isotopes (Short Note). **291**, 397–398 (1979)

Alkhazov, G.D., Berlovich, E.Y., Mezilev, K.A., Novikov, Y.N., Pantelejev, V.N., Poljakov, A.G., Gromov, K.Y., Kalinnikov, V.G., Kormicki, J., Potempa, A., Rurarz, E., Tarkanyi, F., New Isotope ^{159}Lu and Decay of ^{158}Lu, $^{159, 158}$Yb Isotopes (Short Note). **295**, 305–306 (1980)

Allaart, K., s. Egmond, A. van, et al. **300**, 323–327 (1981)

Allaart, K., s. Hofstra, P. **292**, 159–169 (1979)

Alquist, L.J., s. Lemmertz, P., et al. **298**, 311–314 (1980)

Ameaume, A., Bizard, G., Laville, J.L., Louvel, M., Colombani, P., Frascaria, N., Gamp, A., Garron, J.P., Roynette, J.C., Stephan, C., Determination of the Q-Value Dependence of Charged Particle Emission in the ^{40}Ca+^{40}Ca Reaction at 10 MeV/Nucleon. **294**, 159–165 (1980)

Ameaume, A., s. Frascaria, N., et al. **294**, 167–172 (1980)

Amundsen, P.A., s. Jakubaßa-Amundsen, D.H. **297**, 203–214 (1980); **298**, 13–19 (1980)

Anderson, R.E., s. Samuelson, L.E., et al. **294**, 353–370 (1980)

Andersson, C.G., On the Treatment of the Pairing Interaction in the Particle-Rotor Model. **295**, 349–354 (1980)

Andersson, E., Herges, P., Klapdor, H.V., Wischnewski, I.N., High-Spin States in ^{108}Sn. **299**, 105–111 (1981)

Andersson, G., Areskoug, M., Gustafsson, H.-Å., Hyltén, G., Schrøder, B., Hagebø, E., Medium Energy Proton Induced Fission in Tb, La and Ag. **293**, 241–251 (1979)

Andersson, G., s. Adler, J.-O., et al. **295**, 65–72 (1980)

Andl, A., s. Bekk, K., et al. **291**, 219–230 (1979)

Andrä, H.J., s. Wangler, J., et al. **299**, 23–31 (1981)

Andrä, H.J., s. Winter, H. **291**, 5–9 (1979)

Andrejtscheff, W., Nadjakov, E., Venkova, T., Systematic Behavior of $B(E2)$Values in the Yrast Bands of Doubly Even Nuclei. **296**, 123–132 (1980)

Andresen, B., Hultberg, S., Jelenković, B., Liljeby, L., Mannervik, S., Veje, E., A Study of Relative Level Populations in Beam-Foil Excited Li, Be, and Mg. **293**, 181–185 (1979)

Andriamonje, S., Chemin, J.F., Roturier, J., Scheurer, J.N., Gold L-Shell Ionization Probability by 1 MeV Proton Scattering Angles. **300**, 31–34 (1981)

Anholt, R., Theory of the Angular Distribution of 2 $p\sigma$ Molecular Orbital X-Rays. **291**, 289–302 (1979)

Anholt, R., Theory of Molecular-Orbital and Compound-Nucleus X-Ray Emission in Heavy-Ion-Atom Collisions with Nuclear Sticking. **292**, 123–130 (1979)

Anholt, R., Molecular Theory of *K*-Vacancy Production in Heavy-Ion-Atom Collisions at Small Impact Parameters. **295**, 201–208 (1980)
Anholt, R., Meyerhof, W.E., Stoller, Ch., Impact-Parameter Dependence of 1 $s\sigma$ Vacancy Production in 4.6-MeV/a.m.u. Xe+Pb Collisions (Short Note). **291**, 287–288 (1979)
Antanasijević, R., s. Grabež, B., et al. **292**, 67–72 (1979)
Antonov, A.N., Nikolaev, V.A., Petkov, I.Z., Nucleon Momentum and Density Distributions of Nuclei. **297**, 257–260 (1980)
Arends, J., Eyink, J., Hartmann, H., Hegerath, A., Mecking, B., Nöldeke, G., Rost, H., Experimental Study of the Photoemission of Protons off ^{12}C Using Tagged Photons in the Energy Range 200–385 MeV. **298**, 103–111 (1980)
Arenhövel, H., Meson Exchange and Isobar Current Effects in Nuclear Photon Scattering. **297**, 129–139 (1980)
Areskoug, M., s. Andersson, G., et al. **293**, 241–251 (1979)
Arima, A., s. Suzuki, T., et al. **293**, 5–8 (1979)
Armbruster, P., Kienle, P., Calibration of the Energy Transfer for Coulombionization by Heavy Ions (Short Note). **291**, 399–400 (1979)
Armbruster, P., s. Behncke, H.-H., et al. **294**, 286 (1980)
Armbruster, P., s. Bosch, F., et al. **296**, 11–21 (1980)
Armbruster, P., s. Hagmann, S., et al. **298**, 1–6 (1980)
Armbruster, P., s. Hofmann, S., et al. **291**, 53–70 (1979); **299**, 281–282 (1981)
Armbruster, P., s. Münzenberg, G., et al. **300**, 107–108 (1981)
Armbruster, P., s. Stoller, C., et al. **297**, 93–99 (1980)
Arnold, W., Berg, H., Krause, H.H., Clausnitzer, G., Determination of Electron-Loss Cross Sections for Negative Hydrogen Ions in Gases Using Polarized Projectiles. **294**, 7–11 (1980)
Arnold, W., s. Krause, H.H., et al. **293**, 343–349 (1979)
Árvay, Z., Fényes, T., Gulyás, J., Kibédi, T., Krasznahorkay, A., László, S., Novak, D., Multipolarity of Some Transitions in the $^{96}Zr(p, n\gamma e)^{96}Nb$ Reaction. **298**, 293–295 (1980)
Árvay, Z., Fényes, T., Gulyás, J., Kibédi, T., Koltay, E., Krasznahorkay, A., László, S., Paar, V., Brant, S., Hloušek, Z., Excited States of ^{100}Tc from $^{100}Mo(p, n\gamma)^{100}Tc$ Reaction and the Parabolic Rule. **299**, 139–147 (1981)
Arvieu, R., s. Troudet, T. **291**, 183–188 (1979)
Aschenbach, J., Haag, R., Krieger, H., Electrofission of ^{238}U and ^{232}Th. **292**, 285–291 (1979)
Asghar, M., Charge Distribution in Fission – a Quantum Mechanical Phenomenon. **296**, 79–80 (1980)
Asghar, M., s. Caïtucoli, F., et al. **298**, 219–223 (1980)
Auger, G., Albouy, G., Roulet, C., Sergolle, H., Kerek, A., Lindblad, Th., On the Yrast Levels of $^{106-108}Sn$. **296**, 319–322 (1980)
Ayik, S., Dynamical Description of Dissipative Heavy-Ion Collisions in the Adiabatic Representation. **292**, 257–264 (1979)
Ayik, S., Mean-Field Theory and Statistical Treatment of Residual Interactions. **298**, 83–90 (1980)
Ayik, S., Nörenberg, W., Transport Theory of Dissipative Heavy-Ion Collisions. II. Markov Approximation in the Limits of Weak and Strong Coupling. **297**, 55–59 (1980)
Azimov, S.A., Chernova, L.P., Chernov, G.M., Gulamov, K.G., Navotny, V.Sh., Petrov, V.I., The Multiple Scattering Model Analysis of High Energy Multiparticle Production on Emulsion Nuclei. **291**, 189–197 (1979)
Azimov, S.A., Chernova, L.P., Chernov, G.M., Gulamov, K.G., d. Kabulniyazov, Kh., Scripnik, N.S., Multiplicity Correlations of Medium Energy Protons in Hadron-Nucleus Collisions (Short Note). **299**, 367–368 (1981)
Azimov, S.A., Chernova, L.P., Chernov, G.M., Gulamov, K.G., Gulyamov, U.G., Svechnikova, L.N., Trofimova, T.P., Nuclear Interactions of 21 GeV/c Protons and 50 GeV/c Negative Pions in Emulsions Exposed in a Strong Magnetic Field. **300**, 47–62 (1981)

B

Babinet, R., Cauvin, B., Girard, J., Alexander, J.M., Chiang, T.H., Galin, J., Gatty, B., Guerreau, D., Tarrago, X., Light Particle Emission in Deeply Inelastic Collisions of 280 MeV $^{40}Ar+^{58}Ni$: Thermal Equilibrium and Angular Momentum Transfer. **295**, 153–167 (1980)
Babinet, R., s. Agarwal, S., et al. **296**, 287–294 (1980)
Backe, H., s. Daly, P.J., et al. **298**, 173–185 (1980)
Backe, H., s. Hegewisch, S., et al. **300**, 165–182 (1981)
Backenstoss, G., s. Izycki, M., et al. **297**, 1–9, 11–15 (1980)
Badurek, G., s. Kaiser, H., et al. **291**, 231–238 (1979)
Bäcklin, A., s. Julin, R., et al. **296**, 315–318 (1980)
Bagieu, G., s. Brissaud, I., et al. **293**, 1–4 (1979)
Baier, H., s. Hammel, E., et al. **299**, 173–176 (1981)
Bajzer, Ž., s. Švarc, A., et al. **291**, 271–275 (1979)
Bang, J.M., Vaagen, J.S., The Sturmian Expansion: A Well-Depth-Method for Orbitals in a Deformed Potential. **297**, 223–236 (1980)
Bangert, K., S. Junghans, G., et al. **291**, 353–365 (1979)
Baran, A., Pomorski, K., New Modified Oscillator Potential for Nuclei in the Actinide Region. **291**, 175–178 (1979)
Baran, A., Superson, A., Pomorski, K., New Estimates for the Parameters of the Modified Oscillator Potential of the Rare Earth Nuclei. **295**, 299–301 (1980)
Barashencov, V.S., Musulmanbecov, J.J., Gereghi, F.G., Cascade Model of Inelastic Interactions of α-Particles with Nuclei. **296**, 371–376 (1980)
Baratella, P., Puddu, G., Quarati, P., Initial Population of μ^-, π^-, K^- after Radiative Atomic Recombination. **300**, 263–271 (1981)
Barnard, E., Mingay, D.W., Reitmann, D., Tepel, J.W., The Level Structure of ^{85}Rb and ^{87}Rb from $(n, n'\gamma)$ Reaction Measurements. **296**, 295–308 (1980)
Barreau, G., s. Caïtucoli, F., et al. **298**, 219–223 (1980)
Bartel, J., Feldmeier, H., One- and Two-Body Dissipative in Peripheral Heavy Ion Collisions. **297**, 333–342 (1980)
Baruth-Ram, K., s. Miller, M., et al. **300**, 97–101 (1981)
Barz, H.W., s. Csernai, L.P. **296**, 173–179 (1980)
Bass, R., s. Gould, C.R., et al. **294**, 323–330 (1980)
Batist, L.Kh., s. Alkhazov, G.D., et al. **291**, 397–398 (1979)
Battistuzzi, G., s. Kawade, K., et al. **298**, 187–190, 273–287 (1980)
Bauer, M., Mello, P.A., McVoy, K.W., Time Delay in Nuclear Reactions. **293**, 151–163 (1979)
Bauer, R., s. Hübel, H., et al. **297**, 237–240 (1980)
Baur, G., s. Budzanowski, A., et al. **293**, 293–299 (1979)
Bauspiess, W., s. Kaiser, H., et al. **291**, 231–238 (1979)
Bayer, R., Kowalski, J., Neumann, R., Noehte, S., Suhr, H., Winkler, K., Putlitz, G.zu, Dye Laser Saturation Spectroscopy of the $2^3S_1-2^3P$ Transition in $^{6,7}Li^+$ Ions. **292**, 329–336 (1979)
Bechtold, V., s. Stuirbrink, A., et al. **297**, 307–309 (1980)
Beck, D., Ross, U., Schepper, W., Rotationally Inelastic, Classical Scattering from an Anisotropic Rigid Shell Potential of Rotation Symmetry. **293**, 107–117 (1979)
Beck, D., Ross, U., Schepper, W., Rotationally Inelastic, Classical Rigid Shell Scattering. The Influence of Initial Rotation. **299**, 97–104 (1981)
Beck, F.A., s. Bourgeois, C., et al. **299**, 85–89 (1981)
Becker, H.W., s. Buchmann, L., et al. **296**, 273–280 (1980)
Becker, H.W., s. Elix, K., et al. **293**, 261–268 (1979)
Bečvář, F., s. Dragoun, O., et al. **292**, 399–400 (1979)
Bečvář, F., s. Honzátko, J., et al. **299**, 183–184 (1981)
Bečvář, F., s. Kvitek, J., et al. **294**, 197–198 (1980)
Behar, M., s. Broda, R., et al. **293**, 135–149 (1979)
Behmenburg, W., s. Kroop, V. **294**, 299–308 (1980)

Behncke, H.-H., Armbruster, P., Folkmann, F., Hagemann, S., Macdonald, J.R., Mokler, P.H., Erratum: Measurements of *K*-Shell Ionization with ^{132}X and ^{208}Pb Projectiles in the Energy Range of 1.4–5.9 MeV/u. **289**, 333–347 (1979); **294**, 286 (1980)

Behncke, H.-H., s. Hagmann, S., et al. **298**, 1–6 (1980)

Behrens, H., s. Szybisz, L. **296**, 309–314 (1980)

Beier, R., Weak-Line Detection in the X-Ray Spectrum of a Niobium Plasma Produced by a Low-Inductance Vacuum Spark. **292**, 219–226 (1979)

Bekk, K., Andl, A., Göring, S., Hanser, A., Nowicki, G., Rebel, H., Schatz, G., Laserspectroscopic Studies of Collective Properties of Neutron Deficient Ba Nuclei. **291**, 219–230 (1979)

Benayoun, J.J., s. Torre, J., et al. **300**, 319–322 (1981)

Benfoughal, T., s. Caïtucoli, F., et al. **298**, 219–223 (1980)

Bent, R.D., s. Gray, W.S., et al. **292**, 281–284 (1979)

Béraud, R., Tréherne, J., Charvet, A., Duffait, R., Genevey, J., Gizon, A., Gizon, J., Meyer, M., Identification and Decay of ^{102}In, New Neutron Deficient Isotope Close to ^{100}Sn (Short Note). **299**, 279–280 (1981)

Berg, G.P.A., s. Paetz gen. Schieck, H., et al. **293**, 253–260 (1979)

Berg, H., s. Arnold, W., et al. **294**, 7–11 (1980)

Berg, H., s. Krause, H.H., et al. **293**, 343–349 (1979)

Berg, U.E.P., s. Junghans, G., et al. **291**, 353–365 (1979)

Berghe, G. Vanden, Paar, V., The $^{142}Ce(d, p)$ ^{143}Ce Reaction and a Quasi-$f_{7/2}$ Pattern in ^{143}Ce in the Cluster-Vibration Model. **294**, 183–189 (1980)

Bergmann, E., Bopp, P., Dorsch, Ch., Kowalski, J., Träger, F., Putlitz, G. zu, Nuclear Charge Distribution of Eight Ca-Nuclei by Laser Spectroscopy. **294**, 319–322 (1980)

Bergmann, E., Bopp, P., Kowalski, J., Träger, F., Putlitz, G. zu, Nuclear Charge Radius, Spin and Nuclear Moments of ^{45}Ca by Laserspectroscopy (Short Note). **292**, 401–402 (1979)

Bergmann, R., Daniel, H., Egidy, T.v., Hartmann, F.J., Reidy, J.J., Wilhelm, W., Muonic K_{β}/K_{α} Ratios from Pure Elements. **291**, 129–131 (1979)

Bergmann, R., Daniel, H., Egidy, T.v., Hartmann, F.J., Wilhelm, W., Muonic Coulomb Capture Ratios and Lyman Intensities in Intermetallic Compounds and Homogeneous and Inhomogeneous Alloys. **299**, 297–300 (1981)

Bergmann, R., s. Daniel, H., et al. **300**, 253–262 (1981)

Bergmeister, F.J., Henriquez Frings, A., Gelberg, A., Lieb, K.P., Magnetic Moment of the 1,307 keV State in ^{69}As. **296**, 181–183 (1980)

Berinde, A., s. Albrecht, R., et al. **295**, 287–294 (1980)

Berinde, A., s. Vladuca, G., et al. **295**, 235–242 (1980)

Berlanger, M., Gobbi, A., Hanappe, F., Lynen, U., Ngô, C., Olmi, A., Sann, H., Stelzer, H., Richel, H., Rivet, M.F., Study of a Fast Collective Mode in Deep Inelastic Reactions: Quantal Fluctuations. **291**, 133–143 (1979)

Berlanger, M., s. Borderie, B., et al. **298**, 235–236 (1980); **299**, 263–271 (1981)

Berlovich, E.Ye., s. Alkhazov, G.D., et al. **291**, 397–398 (1979); **295**, 305–306 (1980)

Berrier-Ronsin, G., s. Brissaud, I., et al. **293**, 1–4 (1979)

Besch, H.-J., Eisermann, H.W., Nöldeke, G., Vollrath, W., Waldren, D., Kowalski, H., Eyß, H.-J.v., Schmitt, H. von der, An Experimental Study of the Antineutron-Light Nucleus Annihilation at 1.4 GeV/c. **292**, 197–203 (1979)

Beshai, S., High Spin Negative Parity States in the $A = 100$ Region. **291**, 323–326 (1979)

Bethge, K., s. Schulé, R., et al. **291**, 117–128 (1979)

Betz, P., s. Bitterwolf, E., et al. **298**, 279–292 (1980)

Betz, P., s. Glatz, F., et al. **293**, 57–73 (1979)

Betz, P., s. Kern, T., et al. **294**, 51–64 (1980)

Betz, W., s. Kirsch, J., et al. **292**, 227–234 (1979)

Beuscher, H., s. Morek, T., et al. **298**, 267–271 (1980)

Beveridge, J.L., s. Marty, N., et al. **298**, 149–152 (1980)

Beyec, Y.Le, s. Deprun, C., et al. **295**, 103–104 (1980)

Beyer, H.F., Hippler, R., Schartner, K.-H., Multiple Ionization of Neon 2*s*- and 2*p*-Electrons Induced by Ion Atom Collisions. **292**, 353–361 (1979)

Bharuth-Ram, K., s. Bockisch, A., et al. **291**, 245–254 (1979)

Bhatia, T.S., s. Dehnhard, D., et al. **291**, 71–75 (1979)

Billerey, R., Cerruti, C., Chevarier, A., Chevarier, N., Cheynis, B., Demeyer, A., The Third Particle in Deep Inelastic Collisions. **292**, 293–299 (1979)

Billerey, R., Cerruti, C., Chevarier, A., Chevarier, N., Cheynis, B., Demeyer, A., Zohni, O., Local Equilibration and Diffusive Phenomena in $^{40}Ar + ^{27}Al$ and $^{14}N + ^{27}Al$ Heavy Ion Reactions. **297**, 317–321 (1980)

Bilpuch, E.G., s. Chou, B.H., et al. **300**, 157–16 $_{+}$ (1981)

Bilpuch, E.G., s. Watson III, W.A., et al. **294**, 153–158 (1980); **300**, 89–95 (1981)

Bilpuch, E.G., s. Wells, W.K., et al. **297**, 215–222 (1980)

Bimbot, R., s. Borderie, B., et al. **298**, 235–236 (1980)

Bimbot, R., s. Dufour, J.P., et al. **294**, 107–108 (1980)

Bimbot, R., s. Rivet, M.F., et al. **296**, 201–213 (1980)

Bisschop, P.De, s. Borghs, G., et al. **299**, 11–13 (1981)

Bitterwolf, E., Betz, P., Burkard, A., Glatz, F., Heidinger, F., Kern, T., Lehmann, R., Norbert, S., Siefert, J., Röpke, H., Structure of ^{30}Si from the Spectroscopy of Highly Excited States. **298**, 279–292 (1980)

Bitterwolf, E., s. Glatz, F., et al. **293**, 57–73 (1979)

Bitterwolf, E., s. Kern, T., et al. **294**, 51–64 (1980)

Bizard, C., s. Frascaria, N., et al. **294**, 167–172 (1980)

Bizard, G., s. Ameaume, A., et al. **294**, 159–165 (1980)

Bjarle, C., Herrström, N.-Y., Jönsson, G., Kristiansson, K., The Cosmic Ray Boron and Carbon Isotopic Composition Measured in Nuclear Emulsions. **291**, 383–390 (1979)

Bjørnholm, S., s. Borggreen, J., et al. **294**, 113–124 (1980)

Blatt, R., Werth, G., Precision Ground State Hfs-Separation of ^{137}Ba (Short Note). **299**, 93–94 (1981)

Blinnikov, Yu.S., s. Alkhazov, G.D., et al. **291**, 397–398 (1979)

Blok, J., s. Hogervorst, W., et al. **294**, 1–5 (1980)

Blomqvist, J., s. Broda, R., et al. **293**, 135–149 (1979)

Blomqvist, J., s. Daly, P.J., et al. **298**, 173–185 (1980)

Blomqvist, J., s. Kawade, K., et al. **298**, 187–190, 273–278 (1980)

Blomqvist, J., s. Piiparinen, M., et al. **300**, 133–142 (1981)

Blomqvist, J., s. Sistemich, K., et al. **292**, 145–151 (1979)

Blomqvist, J., s. Wilson, J., et al. **296**, 185–186 (1980)

Blüm, P., s. Izycki, I., et al. **297**, 1–9, 11–15 (1980)

Blumenfeld, Y., s. Roynette, J.C., et al. **299**, 73–78 (1981)

Bochev, B., s. Morek, T., et al. **298**, 267–271 (1980)

Bock, R., s. Freiesleben, H., et al. **292**, 171–189 (1979)

Bockisch, A., Bharuth-Ram, K., Kleinfeld, A.M., Lieb, K.P., Reorientation Effect Measurements of Even Mercury Isotopes. **291**, 245–254 (1979)

Bockisch, A., Miller, M., Kleinfeld, A.M., Gelberg, A., Kaup, U., Reorientation Effect Measurements and Multiple Coulomb Excitation in ^{102}Ru. **292**, 265–269 (1979)

Bockisch, A., s. Miller, M., et al. **300**, 97–101 (1981)

Bocquet, J.P., s. Sistemich, K., et al. **292**, 145–151 (1979)

Böhm, R., Engel, W., Hoth, S., Klinger, W., Sandner, W., Witthuhn, W., The Magnetic Moment of the First Excited State in ^{138}La. **291**, 49–52 (1979)

Boeker, E., s. Egmond, A. van, et al. **300**, 323–327 (1981)

Boer, F.W.N. de, s. Fields, C.A., et al. **295**, 365–376 (1980)

Boer, J. de, s. Dannhäuser, G., et al. **300**, 71–75 (1981)

Börner, H.G., s. Schumacher, M., et al. **300**, 193–203 (1981)

Böttger, R., Egelhof, P., Möbius, K.-H., Presinger, D., Steffens, E., Dreves, W., Horn, B., Koenig, I., Fick, D., Nuclear Depolarization of Alkali Beams During Ionization on Surfaces. **299**, 291–295 (1981)

Bohlen, H.G., Oertzen, W.v., Wust, P., The *m*-State Population of $^{12}C_{2+}$ in Inelastic Scattering (Short Note). **292**, 105–106 (1979)

Bohlen, H.G., s. Wust, P., et al. **291**, 151–161 (1979)

Bohn, H., s. Dannhäuser, G., et al. **300**, 71–75 (1981)

Bojowald, J., s. Budzanowski, A., et al. **293**, 293–299 (1979)

Bonani, G., s. Bürgy, P., et al. **300**, 105–106 (1981)

Bonse, U., s. Kaiser, H., et al. **291**, 231–238 (1979)

Bopp, P., s. Bergmann, E., et al. **292**, 401–402 (1979); **294**, 319–322 (1980)

Borderie, B., Berlanger, M., Gardès, D., Hanappe, F., Nowicki, L., Péter, J., Tamain, B., Agarwal, S., Girard, J., Grégoire, C., Matuszek, J., Ngô, C., A Possible Mechanism in Heavy Ion Induced Reactions: "Fast Fission Process". **299**, 263–271 (1981)

Borderie, B., Bimbot, R., Cabot, C., Gardès, D., Nowicki, L., Tamain, B., Grégoire, C., Ngô, C., Berlanger, M., Hanappe, F., Limitation to the Fusion Cross Section for the System Mg+Cu at High Energy (Short Note). **298**, 235–236 (1980)

Borggreen, J., Bjørnholm, S., Christensen, O., Del Zoppo, A., Herskind, B., Pedersen, J., Sletten, G., Folkmann, F., Simon, R.S., Gamma-Spectroscopy Within the Island of High-Spin Isomers Near $N=82$. **294**, 113–124 (1980)

Borggreen, J., s. Wilson, J., et al. **296**, 185–186 (1980)

Borghs, G., De Bisschop, P., Silverans, R.E., Van Hove, M., Van den Cruyce, J.M., Hyperfine Structures and Isotope Shifts of the $5d^4D_{7/2} \rightarrow 6p^4P^0_{5/2}$ Transition in Xenon Ions. **299**, 11–13 (1981)

Borghs, G., s. Silverans, R.E., et al. **295**, 311–314 (1980)

Borie, E., On the Hyperfine Structure of Neutral Muonic Helium. **291**, 107–112 (1979)

Borie, E., Lamb Shift in Muonic ^{3}He. **297**, 17–18 (1980)

Borie, E., Rinker, G.A., Calculation of the $3p$–$3d$ Transitions in Muonic Helium. **296**, 111–112 (1980)

Bosch, F., Liesen, D., Armbruster, P., Maor, D., Mokler, P.H., Schmidt-Böcking, H., Schuch, R., The Quasimolecular 1 $s\sigma$ Orbital in Collision Systems $\alpha(Z_1+Z_2) \gtrsim 1$, its Excitation and Spectroscopy. **296**, 11–21 (1980)

Bouma, J., s. Hogervorst, W., et al. **294**, 1–5 (1980)

Bourgeois, C., Zerrouki, A., Desthuilliers-Porquet, M.G., Beck, F.A., Byrski, T., High-Spin States in ^{189}Hg. **299**, 85–89 (1981)

Brack, M., s. Durand, M., et al. **296**, 87–90 (1980)

Brack, M., s. Guet, C. **297**, 247–256 (1980)

Brand, H., Seibert, B., Steudel, A., Laser-Atomic-Beam Spectroscopy in Sm: Isotope Shifts and Changes in Mean-Square Nuclear Charge Radii. **296**, 281–286 (1980)

Brandt, H.-W., Meißner, E., Steudel, A., Isotope Shifts in Sm II and Changes in Mean-Square Nuclear Charge Radii of the Stable Even Sm Isotopes. **291**, 97–102 (1979)

Brandt, R., s. Halperin, J., et al. **300**, 281–284 (1981)

Brandt, R., s. Lemmertz, P., et al. **298**, 311–314 (1980)

Brandt, R., s. Lund, T., et al. **300**, 285–288 (1981)

Brant, S., s. Árvay, Z., et al. **299**, 139–147 (1981)

Braumandl, F., Egidy, T. von, Warner, D.D., Precision (n, γ)-Measurements of High Energy Transitions in the Nuclei ^{198}Au and ^{199}Au. **292**, 397–398 (1979)

Brendel, C., s. Hoffmann, D.H.H., et al. **293**, 187–201 (1979)

Brentano, P.v., s. Georgiadis, A.P., et al. **300**, 277–279 (1981)

Brentano, P.v., s. Schäfer, H., et al. **293**, 85–90 (1979)

Brentano, P.v., s. Schuh, H.-W., et al. **293**, 301–309 (1979)

Brentano, P.v., s. Zell, K.O., et al. **292**, 135–143 (1979)

Breyer, F., Frey, P., Hotop, H., High Resolution Photoelectron Spectrometry of Negative Ions: Rotational Transitions in Laser-Photodetachment of OH^-, SH^-, SD^-. **300**, 7–24 (1981)

Briançon, C., s. Simon, R.S., et al. **298**, 121–128 (1980)

Brissaud, I., Model Independent Optical Potential for Protons at 155 MeV (Short Note). **300**, 247–248 (1981)

Brissaud, I., Berrier-Ronsin, G., Cameron, J., Frascaria, R., Kalifa, J., Bagieu, G., Swiniarski, R. de, Determination of the Multipole Deformation Parameters of ^{238}U by 22 MeV Proton Inelastic Scattering. **293**, 1–4 (1979)

Brissaud, I., Test of 600 and 750 MeV NN Matrix on Elastic Scattering Glauber Model Calculations (Short Note). **294**, 287–288 (1980)

Brissaud, I., s. Quentin, P., et al. **298**, 37–40 (1980)

Broda, R., Behar, M., Kleinheinz, P., Daly, P.J., Blomqvist, J., Particle plus Octupole $M2/E3$ Isomers and High-Spin Particle-Hole States in ^{147}Tb and ^{148}Tb. **293**, 135–149 (1979)

Broda, R., s. Daly, P.J., et al. **298**, 173–185 (1980)

Broda, R., s. Ercan, A., et al. **295**, 197–198 (1980)

Broeckhove, J., Deumens, E., A Mathematical Foundation for Discretisation Techniques in the Generator Coordinate Method. **292**, 243–247 (1979)

Brosa, U., Isobaric Distributions in Deep Inelastic Reactions. **292**, 385–388 (1979)

Brosa, U., Gross, D.H.E., Squeezing of Quantal Fluctuations. **294**, 217–220 (1980)

Brosa, U., Accurate Solution of the Fokker Planck Equation and its Application to the U+U Reaction (Short Note). **298**, 77–78 (1980)

Brosa, U., Gross, D.H.E., How and Why to Measure the Overlap of Nuclei in Heavy-Ion Collisions. **298**, 91–94 (1980)

Brüchle, W., s. Franz, G., et al. **291**, 167–174 (1979)

Brüchle, W., s. Kratz, J.V., et al. **296**, 141–145 (1980)

Brunner, G., s. Hinneburg, D., et al. **291**, 113–115 (1979); **299**, 201–207 (1981)

Buchmann, L., Becker, H.W., Kettner, K.U., Kieser, W.E., Schmalbrock, P., Rolfs, C., Stellar Reaction Rate of ^{26}Mg$(p, \gamma)^{27}$Al. **296**, 273–280 (1980)

Buchmann, L., s. Elix, K., et al. **293**, 261–268 (1979)

Budzanowski, A., Baur, G., Shyam, R., Bojowald, J., Oelert, W., Riepe, G., Rogge, M., Turek, P., Rösel, F., Trautmann, D., Experimental and Theoretical Study of the Elastic Break-Up of the Alpha Particle on ^{58}Ni Nuclei at $E_\alpha=172.5$ MeV. **293**, 293–299 (1979)

Bülow, B., s. Nilsson, M., et al. **294**, 253–256 (1980); **298**, 158 (1980)

Bürgel, M., s. Gamp, A., et al. **300**, 63–70 (1981)

Bürger, K.H., Büttgenbach, S., Dicke, R., Gebauer, H., Kuhnen, R. Träber, F., Hyperfine and Zeeman Studies of Low-Lying Atomic Levels of ^{181}Ta and the Nuclear Electric Quadrupole Moment. **298**, 159–165 (1980)

Bürgy, P., Bonani, G., Morenzoni, E., Stöckli, M., Stoller, Ch., Suter, M., Wölfli, W., Azimuthal Angle Dependence of Molecular Orbital K X-Rays in Heavy Ion Collisions (Short Note). **300**, 105–106 (1981)

Büttgenbach, S., s. Bürger, K.H., et al. **298**, 159–165 (1980)

Buitendag, J.J., Naudé, W.J., Saayman, R., Rust, N.J.A., Koen, J.W., The Structure and Properties of ^{45}Sc at Low Excitation Energies. **295**, 107–119 (1980)

Bunakov, V.E., On Physical Assumptions for the Validity of Master Equations in Nuclear Reaction Theory. **297**, 323–327 (1980)

Burgdörfer, J., Gabriel, H., Schröder, H., Theory of Optical Polarization Due to Electron Capture from Localized Target States by Fast Ions. **295**, 7–16 (1980)

Burgdörfer, J., s. Kupfer, E., et al. **300**, 35–41 (1981)

Burkard, A., s. Bitterwolf, E., et al. **298**, 279–292 (1980)

Burkard, A., s. Glatz, F., et al. **293**, 57–73 (1979)

Burke, D.G., s. Straume, O., et al. **293**, 75–83 (1979); **295**, 113–122 (1980)

Buschmann, J., s. Neumann, B., et al. **296**, 113–122 (1980)

Buttlar, H. v., s. Nitsche, W., et al. **299**, 301–306 (1981)

Byrne, J., s. Ribeiro, J.P. **298**, 301–303 (1980)

Byrski, T., s. Bourgeois, C., et al. **299**, 85–89 (1981)

C

Cabot, C., s. Borderie, B., et al. **298**, 235–236 (1980)

Caïtucoli, F., Leroux, B., Barreau, G., Cârjan, N., Benfoughal, T., Doan, T.P., El Hage, F., Sicre, A., Asghar, M., Perrin, P., Siegert, G., The Thermal-Neutron-Induced Alpha-Accompanied Fission of ^{235}U Investigation of the Low Energy Part of the Alpha Spectrum. **298**, 219–223 (1980)

Cambiaggio, M.C., Plastino, A., Quasi-Spin Projection in an Exactly Soluble Model. **291**, 277–282 (1979)

Cameron, J., s. Brissaud, I., et al. **293**, 1–4 (1979)

Câmpeanu, R.I., Koch, S., Semiempirical Description of the PWBA Scaled Electron Ionization Cross Sections for Atoms. **299**, 95–96 (1981)

Čaplar, R., s. Holub, E., et al. **296**, 341–357 (1980)

Cârjan, N., s. Caïtucoli, F., et al. **298**, 219–223 (1980)

Carlén, L., s. Piiparinen, M., et al. **300**, 133–142 (1981)

Carlson, J.B., s. Kern, J., et al. **296**, 195–200 (1980)

Cassing, W., Friedrich, H., On the Quantum Mechanical Description of Scattering by a Dissipative and Diffusive Scattering Centre. **291**, 339–346 (1979)

Cassing, W., Friedrich, H., Quantal Fluctuations in Inelastic Heavy Ion Collisions. **298**, 129–141 (1980)

Cassing, W., Friedrich, H., A Semiquantal Evaluation of $d^2\delta/d\theta dE$ in DIC Dynamically Based on Classical Transport Equations. **299**, 359–366 (1981)

Cauvin, B., s. Babinet, R., et al. **295**, 153–167 (1980)

Cerruti, C., s. Billerey, R., et al. **292**, 293–299 (1979); **297**, 317–321 (1980)

Červená, J., s. Kvitek, J., et al. **294**, 197–198 (1980); **299**, 187–188 (1981)

Chan, C.K., Lu, P., The Generalized Jeffreys-Born Integral. **298**, 7–9 (1980)

Charvet, A., s. Béraud, R., et al. **299**, 279–280 (1981)

Chattopadhyay, P., A Finite Sum Representation of the Angular Momentum Projection Operator. **292**, 61–65 (1979)

Chattopadhyay, P., Erratum: A Finite Sum Representation of the Angular Momentum Projection Operator. **292**, 61–65 (1979); **295**, 302 (1980)

Chauvin, J., s. Torre, J., et al. **300**, 319–322 (1981)

Chechik, R., s. Dakowski, M., et al. **294**, 289–290 (1980)

Chelnokov, L.P., s. Flerov, G.N., et al. **292**, 43–48 (1979)

Chemin, J.F., s. Andriamonje, S., et al. **300**, 31–34 (1981)

Chemtob, M., s. Schürmann, B. **294**, 371–376 (1980)

Chernov, G.M., s. Azimov, S.A., et al. **300**, 47–62 (1981)

Chernov, G.M., s. Azimov, S.A., et al. **291**, 189–197 (1979); **299**, 367–368 (1981)

Chernova, L.P., s. Azimov, S.A., et al. **291**, 189–197 (1979); **299**, 367–368 (1981); **300**, 47–62 (1981)

Chevarier, A., s. Billerey, R., et al. **292**, 293–299 (1979); **297**, 317–321 (1980)

Chevarier, N., s. Billerey, R., et al. **292**, 293–299 (1979); **297**, 317–321 (1980)

Cheynis, B., s. Billerey, R., et al. **292**, 293–299 (1979); **297**, 317–321 (1980)

Chiang, T.H., s. Babinet, R., et al. **295**, 153–167 (1980)

Chou, B.H., Mitchell, G.E., Bilpuch, E.G., Westerfeldt, C.R., Amplitude Correlations for Inelastic Proton Scattering from ^{48}Ti. **300**, 157–164 (1981)

Chowdhury, P., s. Wilson, J., et al. **296**, 185–186 (1980)

Christensen, O., s. Borggreen, J., et al. **294**, 113–124 (1980)

Chuburkov, Yu.T., s. Flero, G.N., et al. **292**, 43–48 (1979)

Chwirot, S., Łegowski, S., Zaremba, J., Dynamical Stark Effect for Atoms in a Static Magnetic Field: Dressed Atom Model. **297**, 199–201 (1980)

Cindro, N., s. Holub, E., et al. **296**, 341–357 (1980)

Civitarese, O., Plastino, A., Faessler, A., Generalized Lattice-Density-Waves in Nuclear Matter. **291**, 239–243 (1979)

Civitarese, O., Plastino, A., Skyrme-Hartree-Fock Treatment of Asymmetric Nuclear Matter. **298**, 31–35 (1980)

Clausnitzer, G., s. Arnold, W., et al. **294**, 7–11 (1980)

Clausnitzer, G., s. Krause, H.H., et al. **293**, 343–349 (1979)

Cleemann, L., s. Schuh, H.-W., et al. **293**, 301–309 (1979)

Clemens, E., s. Zehnle, L., et al. **292**, 235–241 (1979)

Clerc, H.-G., s. Sahm, C.-C., et al. **297**, 241–245 (1980)

Clerc, H.-G., s. Vermeulen, D., et al. **294**, 149–151 (1980)

Clover, M.R., s. Gamp. A., et al. **300**, 63–70 (1981)

Coetzer, F.J., Westhuizen, P. van der, Beam-Foil Lifetime Measurements on Energy Levels of Singly Ionized Xenon. **292**, 369–374 (1979)

Coetzer, F.J., Westhuizen, P. van der, Radiative Lifetimes of Some Energy Levels of Doubly Ionized Xenon. **294**, 199–202 (1980)

Colombani, P., s. Ameaume, A., et al. **294**, 159–165 (1980)

Colombani, P., s. Frascaria, N., et al. **294**, 167–172 (1980)

Comparat, V., s. Djalali, C., et al. **298**, 79–80 (1980)

Conzett, H.E., s. Lemontagne, C.R., et al. **295**, 55–64 (1980)

Cornelis, K., Lhersonneau, G., Huyse, M., Vandeplassche, D., Verplancke, J., Half Life Measurement of the First Excited O^+ State in ^{102}Pd. **292**, 403–404 (1979)

Crowley, B.J.B., Hill, T.F., Semiclassical Treatment of Quadrupole Shape Effects in the Elastic Scattering of Heavy Ions below the Coulomb Barrier. **300**, 299–312 (1981)

Cruyce, J.M. Van den, s. Borghs, G., et al. **299**, 11–13 (1981)

Cruyce, J.M. Van den, s. Silverans, R.E., et al. **295**, 311–314 (1980)

Csernai, L.P., Barz, H.W., Spherical and Linear Fluid-Dynamical Models for Relativistic Central Heavy Ion Collisions. **296**, 173–179 (1980)

Cusson, R.Y., Maruhn, J.A., Stöcker, H., Collision of $^{238}U+^{238}U$ Using a Three-Dimensional TDHF-BCS Model. **294**, 257–260 (1980)

Cusson, R.Y., s. Reinhard, P.-G., et al. **295**, 45–54 (1980)

Cusson, R.Y., s. Stöcker, H., et al. **294**, 125–135 (1980)

Czarnecki, J. v., s. Gould, C.R., et al. **294**, 323–330 (1980)

Czuchaj, E., Collisionally Induced Transition Dipole Moments of Alkali-Rare Gas Atom Systems. **292**, 109–116 (1979)

Czuchaj, E., Study of Collision-Induced Absorption in Dipole Electronic Transitions of Alkali-Rare Gas Atom Pairs. **298**, 237–247 (1980)

D

Dahme, W., s. Trombik, W., et al. **296**, 187–188 (1980)

Dakowski, M., Chechik, R., Fuchs, H., Hanappe, F., Lucas, B., Mazur, C., Morjean, M., Péter, J., Ribrag, M., Signarbieux, C., Tamain, B., Evidence for Shape Deformations of Fragments in Deep Inelastic Collisions (Short Note). **294**, 289–290 (1980)

Daly, P.J., Kleinheinz, P., Broda, R., Lunardi, S., Backe, H., Blomqvist, J., Proton $h^2_{11/2}$ and Octupole Excitations in $^{148}_{66}Dy_{82}$ and $^{149}_{66}Dy_{83}$. **298**, 173–185 (1980)

Daly, P.J., s. Broda, R., et al. **293**, 135–149 (1979)

Daly, P.J., s. Wilson, J., et al. **296**, 185–186 (1980)

Damjantschitsch, H., s. Ho, H., et al. **300**, 205–216 (1981)

Damjantschitsch, H., s. Kühn, W., et al. **298**, 95–101 (1980)

Daniel, H., Coulomb Capture of Muons and Atomic Radius. **291**, 29–31 (1979)

Daniel, H., Bergmann, R., Fottner, G., Hartmann, F.J., Wilhelm, W., Measurement of Muonic X-Ray Intensities and Coulomb Capture Ratios in Chlorides. **300**, 253–262 (1981)

Daniel, H., s. Bergmann, R., et al. **291**, 129–131 (1979); **299**, 297–300 (1981)

Daniel, H., s. Naumann, R.A. **291**, 33–34 (1979)

Dannhäuser, G., Boer, J. de, Lutter, R., Riess, F., Bohn, H., The Quadrupole Moment Q_{2+} of ^{32}S. **300**, 71–85 (1981)
Das, U., s. Talukdar, B. **291**, 103–105 (1979)
Dasgupta, S.S., s. Slobodrian, R.J., et al. **291**, 261–266 (1979)
Deberth, C., s. Albrecht, R., et al. **295**, 287–294 (1980)
Decker, R., Wünsch, K.D., Wollnik, H., Koglin, E., Siegert, G., Jung, G., Präzise Q_β-Wert-Messungen mit einem Intrinsic-Germanium Detektor an leichten, neutronenreichen Spaltprodukten. **294**, 35–49 (1980)
Dehmelt, G., s. Georgiadis, A.P., et al. **300**, 277–279 (1981)
Dehnhard, D., Saathoff, W., Bhatia, T.S., Wannebo, K., Wiedner, C.-A., Two-Proton Transfer Reaction ^{48}Ca(^{18}O, ^{16}C)^{50}Ti at 102 MeV. **291**, 71–75 (1979)
Delion, D.S., Gridnev, K.A., Hefter, E.F., Semjonov, V.M., Elastic Scattering of Heavy Ions and a Modified Liquid Drop Model. **297**, 115–121 (1980)
Della Negra, S., Deprun, C., Jacquet, D., LeBeyec, Y., Alpha Decay Characteristics of Neutron Deficient Isotopes of Pt Isotopes Produced in ^{63}Cu Induced Reactions on ^{112}Sn and ^{113}In Targets (Short Note). **300**, 251–252 (1981)
Dembczyński, J., Ertmer, W., Johann, U., Penselin, S., Stinner, P., Laser-Rf Double-Resonance Studies of the Hyperfine Structure of Metastable Atomic States of ^{55}Mn. **291**, 207–218 (1979)
Dembczyński, J., Ertmer, W., Johann, U., Stinner, P., High Precision Measurements of the Hyperfine Structure of Seven Metastable Atomic States of ^{57}Fe by Laser-Rf Double-Resonance. **294**, 313–317 (1980)
Demeyer, A., s. Billerey, R., et al. **292**, 293–299 (1979). **297**, 317–321 (1980)
Demond, F.-J., s. Ho, H., et al. **300**, 205–216 (1981)
Deprun, C., Della Negra, S., Husson, J.P., Gauvin, H., Le Beyec, Y., Mass Excess Values of ^{79}Sr, ^{82}Y and ^{83}Y Obtained from Q_β Measurements (Short Note). **295**, 103–104 (1980)
Deprun, C., s. Della Negra, S., et al. **300**, 249–250 (1981)
D'Erasmo, G., Iori, I., Micheletti, S., Pantaleo, A., Excitation of the Isoscalar $E2$ Resonance in ^{12}C by Proton Inelastic Scattering. **299**, 41–45 (1981)
Desthuilliers-Porquet, M.G., s. Bourgeois, C., et al. **299**, 85–89 (1981)
Deumens, E., s. Broeckhove, J. **292**, 243–247 (1979)
Dewald, A., s. Schäfer, H., et al. **293**, 85–90 (1979)
Dey, J., Samanta, B.C., Dey, M., The Role of Iterative Isobar Processes in Nuclear Matter and the Effective Nucleon-Nucleon Interaction. **296**, 229–235 (1980)
Dey, M., s. Dey, J., et al. **296**, 229–235 (1980)
Diamond, R.M., s. Hübel, H., et al. **297**, 237–240 (1980)
Dicke, R., s. Bürger, K.H., et al. **298**, 159–165 (1980)
Diebel, M., Mosel, U., Inclusion of Pairing into Strutinsky-type Cranking Calculations. **293**, 53–56 (1979)
Diebel, M., s. Schöne, C., et al. **294**, 351–352 (1980)
Dietrich, K., Nemeth, J., Fission of a Slab of Charged Nuclear Matter in the Time-Dependent Hartree Fock (TDHF) Theory. **300**, 183–192 (1981)
Dietrich, K., s. Pomorski, K. **295**, 355–364 (1980)
Disdier, D., s. Ho, H., et al. **300**, 205–216 (1981)
Di Toro, M., Duggan, F., A Rapidly Convergent Method for Solving the Static Hartree-Fock Problem (Short Note). **292**, 213–214 (1979)
Djalali, C., Marty, N., Morlet, M., Willis, A., Comparat, V., Frascaria, R., Excitation of the Giant Monopole Resonance and Coulomb Excitation of the Giant Dipole Resonance in Hadron Inelastic Scattering from ^{208}Pb (Short Note). **298**, 79–80 (1980)
d. Kabulniyazov, Kh., s. Azimov, S.A., et al. **299**, 367–368 (1981)
Doan, T.P., s. Caïtucoli, F., et al. **298**, 219–223 (1980)
Do Dang, G., Creation of the Resonance Δ in Inelastic Electron Scattering on Nuclei. **294**, 377–387 (1980)
Do Dang, G., s. Ramavataram, S. **298**, 225–234 (1980)
Dönau, F., Hagemann, U., Core-Particle Coupling and Polarization Effects. **293**, 31–42 (1979)
Dönau, F., s. Käubler, L., et al. **299**, 251–261 (1981)
Dohmann, H.D., Mann, R., Measurement of the Lifetime of the $^3P_2$ and $^4P_{5/2}$ States in Ar^{16+} and Ar^{15+}. **291**, 15–22 (1979)
Dopheide, D., Rosendahl, E.W., Mönkediek, J., Energieverlust- und Vielfachstreuberechnungen nicht kanalisierter α-Teilchen in Si Kristallen. **294**, 309–312 (1980)
Dorsch, Ch., s. Bergmann, E., et al. **294**, 319–322 (1980)
Døssing, T., s. Ho, H., et al. **300**, 205–216 (1981)
Doubre, H., s. Gamp, A., et al. **291**, 347–351 (1979)
Dragoun, O., Ryšavý, M., Bečvář, F., What Atomic Model Should be Used in Internal Conversion Calculations? (Short Note). **292**, 399–400 (1979)
Dragoun, O., s. Fujioka, M., et al. **299**, 283–290 (1981)
Drechsel, D., s. Pfeiffer, H., et al. **292**, 375–383 (1979)
Dreizler, R.M., March, N.H., Asymptotic Form of the Chemical Potential and the Eigenvalue Sum for the Hydrogen-Like Molecule Ion. **294**, 203–205 (1980)
Dreizler, R.M., s. Horbatsch, M. **300**, 119–127 (1981)
Dreizler, R.M., s. Toepfer, A., et al. **298**, 167–171 (1980)
Dreves, W., s. Böttger, R., et al. **299**, 291–295 (1981)
Drosg, M., Proposal of a Novel High Intense Neutron Source for Radiation Therapy. **298**, 297–299 (1980)
Drosg, M., Improved Evaluation of the Differential Cross Sections of the ^{3}H(d, n)^{4}He Reaction for Deuteron Energies between 3 and 7 MeV. **300**, 315–317 (1981)
Dubbers, D., Irreducible Spin Precession Theory Applied to Some Topics in Atomic and Nuclear Radio-Frequency Spectroscopy. **293**, 211–217 (1979)
Dubovik, V.M., Obukhovsky, I.T., Blokhintsev Fluctuon in the Deuteron within the Cluster Approximation. **299**, 341–346 (1981)
Dudek, J., Comment on the Finite Difference Schemes for the Time-Dependent Schrödinger Equation. **292**, 205–210 (1979)
Dudek, J., Dudek, W., Ruchowska, E., Skalski, J., Systematically too Low Values of the Cranking Model Collective Inertia Parameters. **294**, 341–350 (1980)
Dudek, W., s. Dudek, J., et al. **294**, 341–350 (1980)
Dünnweber, W., s. Trombik, W., et al. **296**, 187–188 (1980)
Duffait, R., s. Béraud, R., et al. **299**, 279–280 (1981)
Duffy, J.E., s. Riska, D.O. **296**, 35–42 (1980)
Dufour, J.P., Fleury, A., Hubert, F., Llabador, Y., Mauhourat, M.B., Bimbot, R., Gardès, D., New Isotope ^{184}Pb (Short Note). **294**, 107–108 (1980)
Duggan, F., s. Di Toro, M. **292**, 213–214 (1979)
Dumbrajs, O., Electron Scattering with the Excitation of the 15.11 MeV State of ^{12}C and the $\pi^{12}B^{12}C$ Coupling Constant. **298**, 61–63 (1980)
Dumont, G., s. Silverans, R.E., et al. **295**, 311–314 (1980)
Durand, M., Schuck, P., Brack, M., Partial Resummation of $\hbar$-Expansion of the Bloch Density for non Local Potentials. **296**, 87–90 (1980)
Dymarz, R., Molina, J.L., Shitikova, K.V., On the Nuclear Interaction Potential in the Reactions with Heavy Ions. **299**, 245–249 (1981)

E

Eberhard, K.A., s. Trombik, W., et al. **296**, 187–188 (1980)
Eberth, J., s. Schuh, H.-W., et al. **293**, 301–309 (1979)
Ebong, I.D.U., Roy, R.R., Beta Spectroscopy of Some Neutron-Rich Cerium Isotopes in ^{252}Cf Fission Products. **299**, 209–212 (1981)
Eckhardt, M., Hasselkamp, D., Schartner, K.-H., Neon $3p$-Excitation by Proton Impact (100 keV-1 MeV): Cross Sections and Line Polarization. **292**, 337–345 (1979)

Eckhardt, M., Hasselkamp, D., Schartner, K.-H., The Influence of Cascade on the Polarization of Radiation Produced in Electronic or Atomic Collisions. **292**, 347–352 (1979)
Egelhaaf, C., s. Gamp, A., et al. **300**, 63–70 (1981)
Egelhof, P., s. Böttger, R., et al. **299**, 291–295 (1981)
Egger, J.P., s. Marty, N., et al. **298**, 149–152 (1980)
Egidy, T. v., s. Bergmann, R., et al. **291**, 129–131 (1979); **299**, 297–300 (1981)
Egidy, T. von, s. Braumandl, F., et al. **292**, 397–398 (1979)
Egmond, A. van, Hofstra, P., Boeker, E., Allaart, K., Paar, V., Fermion-Boson Coupling Model (QCVM) Applied to Odd Zn Isotopes. **300**, 323–327 (1981)
Eichler, J., Narumi, H., On the Classical-Trajectory Eikonal Approximation for Electron Capture into Multicharged Ions. **295**, 209–214 (1980)
Eisermann, H.W., s. Besch, H.-J., et al. **292**, 197–203 (1979)
Eissa, E.A., s. Honzátko, J., et al. **299**, 183–184 (1981)
Elbel, M., s. Höhle, C., et al. **295**, 1–5 (1980)
El Hage, F., s. Caïtucoli, F., et al. **298**, 219–223 (1980)
Elix, K., Becker, H.W., Buchmann, L., Görres, J., Kettner, K.U., Wiescher, M., Rolfs, C., Search for Low-Energy Resonances in $^{25}Mg(p, \gamma)^{26}Al$. **293**, 261–268 (1979)
El Masri, Y., s. Michel, C., et al. **298**, 213–218 (1980)
El-Naghy, A., Toneev, V.D., Interactions of ^{12}C Ions with Emulsion Nuclei at Momentum 4.2 GeV/c per Nucleon and the Cascading-Evaporation Model. **298**, 55–59 (1980)
El Tanahy, Z., s. Niermann, P., et al. **296**, 263–271 (1980)
Emigh, R.A., s. Samuelson, L.E., et al. **294**, 353–370 (1980)
Emmoth, B., s. Izycki, M., et al. **297**, 1–9 (1980)
Endo, H., s. Uda, M., et al. **300**, 1–6 (1981)
Endres, G., s. Mückenheim, W., et al. **300**, 43–46 (1981)
Engel, H., Schneider, H., Schulze, K.-D., Lifetime Measurements on Excited States in ^{100}Rh. **291**, 87–89 (1979)
Engel, W., s. Böhm, R., et al. **291**, 49–52 (1979)
Ercan, A., Broda, R., Püparinen, M., Nagai, Y., Pengo, R., Kleinheinz, P., The 235 μs 9^+ Isomer in $^{146}_{63}Eu_{83}$ (Short Note). **295**, 197–198 (1980)
Erlandsson, B., Nilson, K., Marcinkowski, A., Piotrowski, J., Investigation of ^{65}Cu by Means of the Average Resonance Proton Capture Method. **293**, 43–51 (1979)
Ernst, H., s. Hagn, E., et al. **295**, 385–400 (1980)
Ertmer, W., s. Dembczyński, J., et al. **291**, 207–218 (1979); **294**, 313–317 (1980)
Eska, G., s. Hagn, E., et al. **299**, 353–358 (1981); **300**, 339–344 (1981)
Essel, H., s. Rehm, K.E., et al. **293**, 119–121 (1979)
Essel, H., s. Sperr, P., et al. **291**, 179–182 (1979)
Essel, H., s. Zierl, R., et al. **291**, 91–92 (1979)
Esterlund, R.A., s. Westmeier, W., et al. **299**, 277–278 (1981)
Euler, R., Fricke, B., Morovič, T., Sepp, W.-D., Rosén, A., An Attempt on the Calculation of Relativistic Potential Energy Curves: Noble Gas Difluorides. **297**, 101–104 (1980)
Ewald, H., s. Hofmann, S., et al. **291**, 53–70 (1979)
Ewan, G.T., Hagberg, E., Jonson, B., Mattsson, S., Tidemand-Petersson, P., Alpha Decay Studies of New Neutron-Deficient Francium Isotopes and their Daughters. **296**, 223–228 (1980)
Eyal, Y., s. Gould, C.R., et al. **294**, 323–330 (1980)
Eyink, J., s. Arends, J., et al. **298**, 103–111 (1980)
Eyß, H.-J. v., s. Besch, H.-J., et al. **292**, 197–203 (1979)

F

Faber, M., Ploszajczak, M., Angular Momentum and Energy Dependence of Fission and $n, p, {}^4He$ Emission from ^{194}Hg Compound Nucleus. **291**, 331–337 (1979)
Faber, M.E., The Mass Distribution Width of Heavy-Ion Fission for Various Composite Systems (Short Note). **297**, 277–278 (1980)
Faber, M.E., s. Ploszajczak, M. **299**, 119–130 (1981)
Faber, S.R., s. Wilson, J., et al. **296**, 185–186 (1980)
Faessler, A., Kuo, T.T.S., Müther, H., Variational Definition of the Single-Particle Potential in the Brueckner-Hartree-Fock Approach. **294**, 95–100 (1980)
Faessler, A., Ploszajczak, M., Description of High-Spin Isomers in the $N=82$ Region. **295**, 87–101 (1980)
Faessler, A., Ploszajczak, M., Description of High-Spin Isomers in the $N=82$ Region. **296**, 237–250 (1980)
Faessler, A., s. Civitarese, O., et al. **291**, 239–243 (1979)
Faessler, A., s. Grümmer, F., et al. **300**, 77–84 (1981)
Faessler, A., s. Müther, H., et al. **294**, 87–94 (1980)
Faessler, A., s. Poggel, G., et al. **299**, 55–62 (1981)
Faessler, A., s. Toki, H., et al. **292**, 79–94 (1979)
Faessler, A., s. Tripathi, R.K., et al. **297**, 275–276 (1980)
Fahlander, C., Johansson, K., Possnert, G., Transient Magnetic Field g-Factor Measurements of 2_1^+ in $^{64, 66, 68, 70}Zn$. **291**, 93–96 (1979)
Fass, R., s. Lemmertz, P., et al. **298**, 311–314 (1980)
Faust, W., s. Hofmann, S., et al. **291**, 53–70 (1979)
Feldmeier, H., s. Bartel, J. **297**, 333–342 (1980)
Fényes, T., s. Árvay, Z., et al. **298**, 293–295 (1980); **299**, 139–147 (1981)
Ferrero, A., Gadioli, E., Gadioli Erba, E., Iori, I., Molho, N., Zetta, L., α Emission in Proton Induced Reactions. **293**, 123–134 (1979)
Fick, D., s. Böttger, R., et al. **299**, 291–295 (1981)
Fiedeldey, H., s. Pantis, G., et al. **291**, 367–375 (1979); **294**, 101–105 (1980)
Fields, C.A., de Boer, F.W.N., Kraushaar, J.J., Pratt, W.W., Ristinen, R.A., Samuelson, L.E., Gamma-Ray Spectroscopy of ^{87}Y. **295**, 365–376 (1980)
Fischer, T., s. Kleinschmidt, M., et al. **298**, 253–266 (1980)
Flerov, G.N., Korotkin, Yu.S., Ter-Akopian, G.M., Zvara, I., Oganessian, Yu.Ts., Popeko, A.G., Chuburkov, Yu.T., Chelnokov, L.P., Maslov, O.D., Smirnov, V.I., Gerstenberger, R., Results of the Searches for Superheavy Nuclei in the Cheleken Penninsula Geothermal Waters. **292**, 43–48 (1979)
Fleury, A., s. Dufour, J.P., et al. **294**, 107–108 (1980)
Fleury, A., s. Rivet, M.F., et al. **296**, 201–213 (1980)
Fliessbach, T., The Effective Single Particle Operator for Reactions with Alpha-Clusters. **294**, 79–85 (1980)
Flynn, E.R., s. Straume, O., et al. **293**, 75–83 (1979)
Folger, H., s. Franz, G., et al. **291**, 167–174 (1979)
Folkmann, F., s. Behncke, H.-H., et al. **294**, 286 (1980)
Folkmann, F., s. Borggreen, J., et al. **294**, 113–124 (1980)
Folkmann, F., s. Simon, R.S., et al. **298**, 121–128 (1980)
Folkman, F., s. Stoller, C., et al. **297**, 93–99 (1980)
Fottner, G., s. Daniel, H., et al. **300**, 253–262 (1981)
Fransson, K., s. Izycki, M., et al. **297**, 1–9, 11–15 (1980)
Franz, G., Kratz, J.V., Brüchle, W., Folger, H., Haefner, B., Sub-Coulomb Transfer and Fission in Collisions of ^{129}Xe, ^{132}Xe and ^{136}Xe with ^{238}U. **291**, 167–174 (1979)
Frascaria, N, Colombani, P., Gamp, A., Garron, J.P., Riou, M., Roynette, J.C., Stephan, C., Ameaume, A., Bizard, C., Laville, J.L., Louvel, M., Further Evidence for the Observation of Structures in $^{40}Ca + ^{40}Ca$ Reaction at 10MeV/A.M.U. **294**, 167–172 (1980)
Frascaria, N., s. Ameaume, A., et al. **294**, 159–165 (1980)
Frascaria, N., s. Roynette, J.C., et al. **299**, 73–78 (1981)
Frascaria, R., s. Brissaud, I., et al. **293**, 1–4 (1979)
Frascaria, R., s. Djalali, C., et al. **298**, 79–80 (1980)
Frauendorf, S., s. Simon, R.S., et al. **298**, 121–128 (1980)

Freiesleben, H., Hildenbrand, K.D., Pühlhofer, F., Schneider, W.F.W., Bock, R., Harrach, D. v., Specht, H.J., The Reaction $^{238}U + ^{238}U$ at 7.42 MeV/u. **292**, 171–189 (1979)
Freitag, K., s. Herzog, P., et al. **294**, 13–15 (1980)
Frekers, D., s. Löhner, H., et al. **292**, 35–41 (1979)
Frey, P., s. Breyer, F., et al. **300**, 7–24 (1981)
Friar, J.L., A Note on Spin-Flip Electric Dipole Transitions. **291**, 1–4 (1979)
Friar, J.L., Approximate Normalized Wave Functions for the Finite-Size Coulomb Problem. **292**, 1–6 (1979)
Friar, J.L., Feshbach-Villars Perturbation Theory for Pionic Atom Problems. **297**, 147–152 (1980)
Fricke, B., s. Euler, R., et al. **297**, 101–104 (1980)
Fricke, B., s. Rashid, K. **297**, 279–283 (1980)
Friedrich, H., s. Cassing, W. **291**, 339–346 (1979); **298**, 129–141 (1980); **299**, 359–366 (1981)
Friedrich, L., s. Stuirbrink, A., et al. **297**, 307–309 (1980)
Fröbrich, P., Gross, D.H.E., No Need for a New Type of Strongly Damped Collision in the System $^{132}Xe + ^{56}Fe$ at Energies below 7.12 MeV/u. (Short Note). **299**, 369–370 (1981)
Frois, B., s. Lamontagne, C.R., et al. **295**, 55–64 (1980)
Fromm, H., s. Wischnewski, I.N., et al. **298**, 21–29 (1980)
Fuchs, H., s. Dakowski, M., et al. **294**, 289–290 (1980)
Fuchs, H., s. Gamp, A., et al. **291**, 347–351 (1979); **300**, 63–70 (1981)
Fuchs, H., s. Oertzen, W. v., et al. **298**, 207–211 (1980)
Fuchs, H., s. Roynette, J.C., et al. **299**, 73–78 (1981)
Fujioka, M., Takashima, M., Kanbe, M., Dragoun, O., Ryšavý, M., Internal Conversion of Valence Shell Electrons: Measurement and Analysis for the 10.84 keV Transition in ^{206}Bi. **299**, 283–290 (1981)
Furić, M., s. Švarc, A., et al. **291**, 271–275 (1979)

G

Gabriel, H., s. Burgdörfer, J., et al. **295**, 7–16 (1980)
Gabriel, H., s. Kupfer, E., et al. **300**, 35–41 (1981)
Gadioli, E., Gadioli Erba, E., Interpretation of the Continuous Spectrum of Secondary α Particles in α Induced Reactions. **299**, 1–9 (1981)
Gadioli, E., s. Ferrero, A., et al. **293**, 123–134 (1979)
Gadioli Erba, E., s. Ferrero, A., et al. **293**, 123–134 (1979)
Gadioli Erba, E., s. Gadioli, E. **299**, 1–9 (1981)
Gäggeler, H., s. Kratz, J.V., et al. **296**, 141–145 (1980)
Gärtner, P., Heinz, U., Müller, B., Greiner, W., Limiting Charge for Electrostatic Point Sources. **300**, 143–155 (1981)
Galin, J., s. Agarwal, S., et al. **296**, 287–294 (1980)
Galin, J., s. Babinet, R., et al. **295**, 153–167 (1980)
Galin, J., s. Guerrau, D., et al. **295**, 105–106 (1980)
Gallagher, P.W., Schneider, E.W., Walters, W.B., Decay of a New Nuclide: ^{89m}Mo. **296**, 81–85 (1980)
Gamp, A., Bürgel, M., Clover, M.R., Egelhaaf, C., Fuchs, H., Gebauer, B., Homeyer, H., Jacmart, J.C., Light Particle Emission in Quasi-Elastic Heavy-Ion Reactions. **300**, 63–70 (1981)
Gamp, A., Harney, H.L., Roynette, J.C., Plagnol, E., Fuchs, H., Doubre, H., Jacmart, J.C., Poffé, N., Out-of-Plane Correlations of α-Particles and Heavy Ions in the Reaction of 373 MeV ^{32}S with Gold. **291**, 347–351 (1979)
Gamp, A., s. Ameaume, A., et al. **294**, 159–165 (1980)
Gamp, A., s. Frascaria, N., et al. **294**, 167–172 (1980)
Gamp, A., s. Oertzen, W. v., et al. **298**, 207–211 (1980)
Gamp, A., s. Roynette, J.C., et al. **299**, 73–78 (1981)
Ganas, P.S., Optical Oscillator Strengths for Be II and B III. **292**, 107–108 (1979)
Gardès, D., s. Borderie, B., et al. **298**, 235–236 (1980); **299**, 263–271 (1981)
Gardès, D., s. Dufour, J.P., et al. **294**, 107–108 (1980)
Gardès, D., s. Rivet, M.F., et al. **296**, 201–213 (1980)
Garibotti, C.R., Grinstein, F.F., Miraglia, J.E., Calculation of the Non Forward Scattering Amplitude for Long Range Potentials. **297**, 189–197 (1980)
Garron, J.P., s. Ameaume, A., et al. **294**, 159–165 (1980)
Garron, J.P., s. Frascaria, N., et al. **294**, 167–172 (1980)
Garron, J.P., s. Roynette, J.C., et al. **299**, 73–78 (1981)
Gast, W., s. Zell, K.O., et al. **292**, 135–143 (1979)
Gatty, B., s. Agarwal, S., et al. **296**, 287–294 (1980)
Gatty, B., s. Babinet, R., et al. **295**, 153–167 (1980)
Gatty, B., s. Guerreau, D., et al. **295**, 105–106 (1980)
Gaul, G., s. Löhner, H., et al. **292**, 35–41 (1979)
Gauvin, H., s. Deprun, C., et al. **295**, 103–104 (1980)
Gavrila, M., Rayleigh Scattering from $n = 2$ States of Atomic Hydrogen. **293**, 269–279 (1979)
Gebauer, H., s. Bürger, K.H., et al. **298**, 159–165 (1980)
Gebauer, B., s. Gamp, A., et al. **300**, 63–70 (1981)
Gelberg, A., s. Bergmeister, F.J., et al. **296**, 181–183 (1980)
Gelberg, A., s. Bockisch, A., et al. **292**, 265–269 (1979)
Gelberg, A., s. Kaup, U. **293**, 311–313 (1979)
Gelberg, A., s. Schäfer, H., et al. **293**, 85–90 (1979)
Genz, H., s. Kuhn, U., et al. **300**, 103–104 (1981)
Genevey, J., s. Béraud, R., et al. **299**, 279–280 (1981)
Genz, H., s. Hoffmann, D.H.H., et al. **293**, 187–201 (1979)
Georgiadis, A.P., Gerdtell, L. von, Dehmelt, G., Sträter, D., Ahmad-Bitar, R.N., Brentano, P. von, Effect of Cascarding of Higher-Lying States on a Delayed 1s-2p Transition after Beam-Foil Excitation of 56 MeV Hydrogen-Like Oxygen and Fluorine. **300**, 277–279 (1981)
Gerc, V., s. Grabež, B., et al. **292**, 67–72 (1979)
Gerdtell, L. von, s. Georgiadis, A.P., et al. **300**, 277–279 (1981)
Gereghi, F.G., s. Barashencov, V.S., et al. **296**, 371–376 (1980)
Gerhardt, H., Matthias, E., Rinneberg, H., Schneider, F., Timmermann, A., Wenz, R., West, P.J., Changes in Nuclear Mean Square Charge Radii of Stable Krypton Isotopes. **292**, 7–14 (1979)
Gerstenberger, R., s. Flerov, G.N., et al. **292**, 43–48 (1979)
Gierlik, E., Kalinin, A.M., Kalpakchieva, R., Oganessian, Y.T., Penionzhkevich, Y.E., Kharitonov, Y.P., Measurements of the Maximum α-Particle Energy at Forward Angles in the Reaction $^{22}Ne + ^{197}Au$. **295**, 295–297 (1980)
Gilat, J., s. Westmeier, W., et al. **299**, 277–278 (1981)
Gils, H.J., s. Neumann, B., et al. **296**, 113–122 (1980)
Girard, J., s. Agarwal, S., et al. **296**, 287–294 (1980)
Girard, J., s. Babinet, R., et al. **295**, 153–167 (1980)
Girard, J., s. Borderie, B., et al. **299**, 263–271 (1981)
Girard, J., s. Guerreau, D., et al. **295**, 105–106 (1980)
Gizon, A., s. Béraud, R., et al. **299**, 279–280 (1981)
Gizon, A., s. Liang, C.F., et al. **299**, 185–186 (1981)
Glascock, M.D., s. Schneider, E.W., et al. **291**, 77–86 (1979)
Glasner, K., s. Niermann, P., et al. **296**, 263–271 (1980)
Glass, R., Comment on the Spin-Other-Orbit and Spin-Spin Interactions in Atomic Structure Calculations. **292**, 131–134 (1979)
Glass, R., Wavefunctions and Oscillator Strengths for MgIX, SiXI, ArXV, CaXVII and FeXXIII. **292**, 363–367 (1979)
Glass, R., Oscillator Strengths, Transition Probabilities and Lifetimes Involving $2p\,3s$ and $2p\,3d$ Singlet and Triplet States for Allowed Transitions in OV. **299**, 15–21 (1981)
Glatz, F., Betz, P., Bitterwolf, E., Burkard, A., Heidinger, F., Kern, Th., Lehmann, R., Norbert, S., Röpke, H., High-Spin States in ^{48}Ti. **293**, 57–73 (1979)
Glatz, F., s. Bitterwolf, E., et al. **298**, 279–292 (1980)
Glatz, F., s. Kern, T., et al. **294**, 51–64 (1980)
Glaudemans, P.W.M., s. Hees, A.G.M. van, et al. **293**, 327–335 (1979)
Glaudemans, P.W.M., s. Vennink, R. **294**, 241–252 (1980)

Gledenov, V.M., s. Kvitek, K., et al. **299**, 187–188 (1981)
Glomset, O., s. Lund, E., et al. **294**, 233–240 (1980)
Gobbi, A., s. Berlanger, M., et al. **291**, 133–143 (1979)
Goeke, K., s. Reinhard, P.-G., et al. **295**, 45–54 (1980)
Göring, S., s. Bekk, K., et al. **291**, 219–230 (1979)
Görres, J., s. Elix, K., et al. **293**, 261–268 (1979)
Goetz, F., s. Marty, N., et al. **298**, 149–152 (1980)
Gould, C.R., Bass, R., Czarnecki, J. v., Hartmann, V., Stelzer, K., Zitzmann, R., Eyal, Y., Neutron Multiplicities in Inelastic Collisions of ^{132}Xe with ^{197}Au. **294**, 323–330 (1980)
Gowdy, G.M., s. Roeckl, E., et al. **294**, 221–232 (1980)
Grabež, B., Todorović, Ž., Antanasijević, R., Gerc, V., The Binary Decay of U, Th, Pb, and Au Induced by 380 MeV K^- Mesons. **292**, 67–72 (1979)
Grabmayr, P., s. Nitsche, W., et al. **300**, 109–110 (1981)
Graebner, G., s. Stöcker, H., et al. **295**, 401–402 (1980)
Gräff, G., Kalinowsky, H., Traut, J., A Direct Determination of the Proton Electron Mass Ratio. **297**, 35–39 (1980)
Grangé, P., Pauli, H.C., Weidenmüller, H.A., Suzuki's Scaling Limit and the Theory of Statistical Fluctuations in Nuclear Fission. **296**, 107–110 (1980)
Grangé, P., Pauli, H.C., Weidenmüller, H.A., Erratum: Suzuki's Scaling Limit and the Theory of Statistical Fluctuations in Nuclear Fission. **296**, 107–110 (1980). **297**, 354 (1980)
Gray, W.S., Tickle, R.S., Bent, R.D., First Observation of the (^{4}He, ^{8}B) Reaction. **292**, 281–284 (1979)
Grégoire, C., s. Borderie, B., et al. **298**, 235–236 (1980); **299**, 263–271 (1981)
Grégoire, C., s. Hofmann, H., et al. **293**, 229–240 (1979)
Greiner, W., s. Gärtner, P., et al. **300**, 143–155 (1981)
Greiner, W., s. Hess, P.O., et al. **296**, 147–163 (1980)
Greiner, W., s. Iwamoto, A. **292**, 301–306 (1979)
Greiner, W., s. Kirsch, J., et al. **292**, 227–234 (1979)
Greiner, W., s. Müller, U., et al. **297**, 357–358 (1980); **299**, 90 (1981)
Greiner, W., s. Reinhardt, J., et al. **292**, 211–212 (1979)
Greiner, W., s. Soff, G., et al. **294**, 137–147 (1980); **299**, 189–194 (1981)
Greiner, W., s. Stöcker, H., et al. **293**, 173–179 (1979); **294**, 125–135 (1980); **295**, 401–402 (1980)
Gretillat, P., s. Marty, N., et al. **298**, 149–152 (1980)
Gridnev, K.A., s. Delion, D.S., et al. **297**, 115–121 (1980)
Grinstein, F.F., s. Garibotti, C.R., et al. **297**, 189–197 (1980)
Grintals, J., s. Nilsson, M., et al. **294**, 253–256 (1980); **298**, 158 (1980)
Gromov, K.Ya., s. Alkhazov, G.D., et al. **291**, 397–398 (1979); **295**, 305–306 (1980)
Gross, D.H.E., Microscopic, Quantal Theory of Brownian Motion Applied to Deep Inelastic Heavy-Ion Collisions. **291**, 145–150 (1979)
Gross, D.H.E., Nayak, R.C., Satpathy, L., A Classical Description of Deep Inelastic Collisions with Surface Friction and Deformation. **299**, 63–72 (1981)
Gross, D.H.E., s. Brosa, U. **294**, 217–220 (1980); **298**, 91–94 (1980)
Gross, D.H.E., s. Fröbrich, P. **299**, 369–370 (1981)
Gross, E.K.U., s. Toepfer, A., et al. **298**, 167–171 (1980)
Grossmann, S., Shell Effects in the Mass Transport during Heavy Ion Collisions. **296**, 251–262 (1980)
Grossmann, S., Krappe, H.J., Inertia Effects in the Mass Transport of Heavy Ion Reactions. **298**, 41–53 (1980)
Grümmer, F., Schmid, K.W., Faessler, A., An Angular Momentum Projected Quasiparticle Approach to Rotational States in Nuclei. **300**, 77–84 (1981)
Grümmer, F., s. Schmid, K.W. **292**, 15–26 (1979)
Grundevik, P., Gustavsson, M., Rosén, A., Rydberg, S., Analysis of the Isotope Shifts and Hyperfine Structure in the 3 988 Å ($6s6p\ ^1P_1 \leftrightarrow 6s^2\ ^1S_0$) YbI Line. **292**, 307–310 (1979)
Gruppelaar, H., s. Akkermans, J.M. **300**, 345–358 (1981)
Günther, W., Huber, K., Kneissl, U., Krieger, H., Maier, H.J., Symmetric and Asymmetric Yields in the Photofission of ^{232}Th, ^{235}U, ^{238}U and ^{239}Pu. **295**, 333–340 (1980)
Guerreau, D., Galin, J., Gatty, B., Tarrago, X., Girard, J., Lucas, R., Ngô, C., Seven New Neutron Rich Nuclides Observed in Deep Inelastic Collisions of 340 MeV ^{40}Ar on ^{238}U (Short Note). **295**, 105–106 (1980)
Guerreau, D., s. Agarwal, S., et al. **296**, 287–294 (1980)
Guerreau, D., s. Babinet, R., et al. **295**, 153–167 (1980)
Guet, C., Brack, M., Validity of the Semiclassical Kinetic Energy Density Functional for Deformed Nuclear Shapes. **297**, 247–256 (1980)
Güttner, K., s. Hofmann, S., et al. **291**, 53–70 (1979)
Gui, S.Z., s. Spanier, L., et al. **299**, 113–117 (1981)
Guigas, R., s. Izycki, M., et al. **297**, 1–9, 11–15 (1980)
Gulamov, K.G., s. Azimov, S.A., et al. **291**, 189–197 (1979); **299**, 367–368 (1981); **300**, 47–62 (1981)
Gulyamov, U.G., s. Azimov, S.A., et al. **300**, 47–62 (1981)
Gulyás, J., s. Árvay, Z., et al. **298**, 293–295 (1980); **299**, 139–147 (1981)
Gustafsson, H.-Å., s. Adler, J.-O., et al. **295**, 65–72 (1980)
Gustafsson, H.-Å., s. Andersson, G., et al. **293**, 241–251 (1979)
Gustavsson, M., s. Grundevik, P., et al. **292**, 307–310 (1979)

H

Haag, R., s. Aschenbach, J., et al. **292**, 285–291 (1979)
Haefner, B., s. Franz, G., et al. **291**, 167–174 (1979)
Haenni, D.R., s. Morek, T., et al. **298**, 267–271 (1980)
Hagberg, E., s. Ewan, G.T., et al. **296**, 223–228 (1980)
Hagebø, E., s. Andersson, G., et al. **293**, 241–251 (1979)
Hagemann, U., s. Dönau, F. **293**, 31–42 (1979)
Hagemann, U., s. Käubler, L., et al. **299**, 251–261 (1981)
Hagmann, S., Armbruster, P., Behncke, H.-H., Liesen, D., Mokler, P.H., Study of the $2p_{1/2}\sigma$ Excitation Probability in Collision Systems with $Z_1 + Z_2 > 150$ Using Line Width Analysis. **298**, 1–6 (1980)
Hagmann, S., s. Behncke, H.-H., et al. **294**, 286 (1980)
Hagn, E., Leuthold, K., Zech, E., Ernst, H., Nuclear Magnetic Resonance on Oriented ^{192}Ir in Fe and Ni. **295**, 385–400 (1980)
Hagn, E., Wese, J., Eska, G., Nuclear Orientation Study of ^{97,103,105}Ru in Fe. **299**, 353–358 (1981)
Hagn, E., Zech, E., The g-Factor of the $9/2^+$ [624] Ground State of ^{183}Os. **295**, 345–347 (1980)
Hagn, E., Zech, R., Magnetic Moment and Electric Quadrupole Moment of the Anomalous ^{186}Ir Ground State. **297**, 329–332 (1980)
Hagn, E., Zech, E., Eska, G., Nuclear Magnetic Resonance on Oriented ^{109}In (4.2 h) and ^{110}In (4.9 h) after Recoil Implantation into Fe. **300**, 339–344 (1981)
Hall, R.L., Non-Local Interactions and the N-Boson Problem. **291**, 255–259 (1979)
Hallstadius, L., Extended Measurements of Isotope Shifts in Mg I. **291**, 203–206 (1979)
Halperin, J., Stoughton, R.W., Ketelle, B.H., Lund, T., Brandt, R., Search for Spontaneous Fission Emitters in Atlantis II (Part I). **300**, 281–284 (1981)
Hamilton, J.H., s. Peker, L.K., et al. **292**, 271–273 (1979)
Hammarén, E., s. Piiparinen, M., et al. **300**, 133–142 (1981)
Hammel, E., Schaden, M., Baier, H., Isobar Configurations in the Two Nucleon System with Separable Potentials. **299**, 173–176 (1981)
Hammel, G., s. Kleinschmidt, M., et al. **298**, 253–266 (1980)
Hanappe, F., s. Berlanger, M., et al. **291**, 133–143 (1979)

Hanappe, F., s. Borderie, B., et al. **298**, 235–236 (1980); **299**, 263–271 (1981)
Hanappe, F., s. Dakowski, M., et al. **294**, 289–290 (1980)
Hansen, H.H., Nuclear Structure Effect on Internal Conversion of *l*-Forbidden Transitions in ^{139}La, ^{141}Pr and ^{203}Tl. **291**, 43–47 (1979)
Hansen, H.H., s. Mouchel, D., et al. **300**, 85–88 (1981)
Hansen, H.H., s. Nylandsted Larsen, A., et al. **294**, 191–195 (1980)
Hansen, K., s. Adler, J.-O., et al. **295**, 65–72 (1980)
Hanser, A., s. Bekk, K., et al. **291**, 219–230 (1979)
Hanser, A., s. Rullhusen, P., et al. **293**, 287–292 (1979)
Harney, H.L., s. Gamp, A., et al. **291**, 347–351 (1979)
Harrach, D. v., s. Freiesleben, H., et al. **292**, 171–189 (1979)
Hartel, K., s. Rehm, K.E., et al. **293**, 119–121 (1979)
Hartmann, F.J., s. Bergmann, R., et al. **291**, 129–131 (1979); **299**, 297–300 (1981)
Hartmann, F.J., s. Daniel, H., et al. **300**, 253–262 (1981)
Hartmann, H., s. Arends, J., et al. **298**, 103–111 (1980)
Hartmann, K.M., On the Parametrized S-Matrix Approach to Deep Inelastic Collisions. **294**, 65–77 (1980)
Hartmann, K.M., Schürmann, B., Direct Versus Thermal Particle Emission in High-Energy Heavy-Ion Collisions: Light Fragment Emission and the Ratio of Neutron to Proton Inclusive Cross Sections. **297**, 311–316 (1980)
Hartmann, V., s. Gould, C.R., et al. **294**, 323–330 (1980)
Hasselkamp, D., s. Eckhardt, M., et al. **292**, 337–345, 347–352 (1979)
Hassler, N., s. Izycki, M., et al. **297**, 1–9, 11–15 (1980)
Haupt, P., Koen, J.W., Naudé, W.J., Rust, N.J.A., Properties of Low-Lying Levels of ^{59}Co. **295**, 135–146 (1980)
Hautojärvi, A.J., Schrewe, U.J., Schmidt-Ott, W.-D., Decay Properties of ^{76m}Br. **295**, 341–344 (1980)
Heckmann, P.H., s. Nitsche, W., et al. **299**, 301–306 (1981)
Heemskerk, A.C., Kok, L.P., Koster, H.T., Discrete Ambiguities in Phase Shift Analysis. Spin O-Spin $\frac{1}{2}$ Cases in Low Energy Nuclear Physics. **293**, 165–172 (1979)
Hees, A.G.M. van, Glaudemans, P.W.M., Metsch, B.C., The Influence of $f_{7/2}$ Hole Configurations on Properties of $^{57-59}$Ni. **293**, 327–335 (1979)
Hefter, E.F., s. Delion, D.S., et al. **297**, 115–121 (1980)
Hegerath, A., s. Arends, J., et al. **298**, 103–111 (1980)
Hegewisch, S., Vonach, H., Wohlfarth, H., Kretz, R., Backe, H., Untersuchung der Gammastrahlung aus der unelastischen Streuung von 2,75 MeV-Neutronen an ^{203}Tl und ^{205}Tl. **300**, 165–182 (1981)
Heidinger, F., s. Bitterwolf, E., et al. **298**, 279–292 (1980)
Heidinger, F., s. Glatz, F., et al. **293**, 57–73 (1979)
Heil, V., Manakos, P., Effective Convection Current in the Shell-Model. **291**, 35–40 (1979)
Heil, V., Manakos, P., Current Conserving Random Phase Approximation. **291**, 391–395 (1979)
Heil, V., Manakos, P., Current Conserving Random Phase Approximation: Implications and Applications. **294**, 331–339 (1980)
Heim, U., s. Nolte, E., et al. **298**, 191–205 (1980)
Heinz, U., s. Gärtner, P., et al. **300**, 143–155 (1981)
Heldt, J., Leuchs, G., Lifetime Measurements of Lithium *D*-States. **291**, 11–13 (1979)
Helms, H.A., s. Hogervorst, W., et al. **294**, 1–5 (1980)
Henke, L., s. Wangler, J., et al. **299**, 23–31 (1981)
Henriquez Frings, A., s. Bergmeister, F.J., et al. **296**, 181–183 (1980)
Herges, P., s. Andersson, E., et al. **299**, 105–111 (1981)
Herges, P., s. Wischnewski, I.N., et al. **298**, 21–29 (1980)
Hering, W., s. Trombik, W., et al. **296**, 187–188 (1980)
Herman, M., s. Hofmann, H.M., et al. **297**, 153–160 (1980)
Herrström, N.-Y., s. Bjarle, C., et al. **291**, 383–390 (1979)
Herskind, B., s. Borggreen, J., et al. **294**, 113–124 (1980)
Herskind, B., s. Hübel, H., et al. **297**, 237–240 (1980)
Herzog, P., Freitag, K., Reuschenbach, M., Walitzki, H., Nuclear Orientation of ^{111m}Cd in Zn and Be and the Quadrupole Moment of the 245 keV State. **294**, 13–15 (1980)
Hess, P.A., Seiwert, M., Maruhn, J., Greiner, W., General Collective Model and its Application to $^{238}_{92}$U. **296**, 147–163 (1980)
Heßberger, F., s. Hofmann, S., et al. **299**, 281–282 (1981)
Heßberger, F.P., s. Münzenberg, G., et al. **300**, 107–108 (1981)
Heßberger, F., s. Sahm, C.-C., et al. **297**, 241–245 (1980)
Hick, H., s. Spanier, L., et al. **299**, 113–117 (1981)
Hildenbrand, K.D., s. Freiesleben, H., et al. **292**, 171–189 (1979)
Hildenbrand, K.D., s. Stokstad, R.G., et al. **295**, 269–286 (1980)
Hill, T.F., s. Crowley, B.J.B. **300**, 299–312 (1981)
Hillebrandt, W., s. Klapdor, H.V., et al. **299**, 213–229 (1981)
Hinneburg, D., On the Influence of the Atomic Electrons on the γ-Decay of U-235 m. **300**, 129–132 (1981)
Hinneburg, D., Nagel, M., Brunner, G., Application of the "Electronic Bridge" Theory to Some Highly Converted Nuclear Transitions. **291**, 113–115 (1979)
Hinneburg, D., Nagel, M., Brunner, G., On the Free Electron State in the Internal Conversion and on the Relation ICC $\sim|\psi(0)|^2$ for Tc-99 *m*. **299**, 201–207 (1981)
Hippe, D., s. Schuh, H.-W., et al. **293**, 301–309 (1979)
Hippe, D., s. Zell, K.O., et al. **292**, 135–143 (1979)
Hippler, R., s. Beyer, H.F., et al. **292**, 353–361 (1979)
Hirdes, D., s. Lemmertz, P., et al. **298**, 311–314 (1980)
Hirsekorn, R.-P., Approximate Solution of the *n*-Fermion Problem, Application to the ^{16}O Nucleus. **297**, 141–145 (1980)
Hjorth, S.A., s. Piiparinen, M., et al. **300**, 133–142 (1981)
Hloušek, Z., s. Árvay, Z., et al. **299**, 139–147 (1981)
Hnatowicz, V., s. Kvitek, K., et al. **299**, 187–188 (1981)
Ho, H., Albrecht, R., Damjantschitsch, H., Demond, F.-J., Kühn, W., Slemmer, J., Wurm, J.P., Disdier, D., Rauch, V., Scheibling, F., Døssing, T., Angular Momentum Dissipation in ^{16}O + ^{58}Ni Collisions Investigated by Observation of Light Particles and γ Rays. **300**, 205–216 (1981)
Ho, H., s. Kühn, W., et al. **298**, 95–101 (1980)
Höhle, C., Hühnermann, H., Elebel, M., Observation of $\Delta F = \pm 2$ Transitions in the Hyperfine Structure of ^{139}La II $5d^2\,{}^3F_4 \rightarrow 5d\,4f^3\,F_4^0$. **295**, 1–5 (1980)
Hoff, P., Aleklett, K., Lund, E., Rudstam, G., Decay Schemes and Total Decay Energies of ^{89}Br and ^{90}Br. **300**, 289–298 (1981)
Hoff, P., s. Aleklett, K., et al. **295**, 331–332 (1980)
Hoff, P., s. Lund, E., et al. **294**, 233–240 (1980)
Hoffmann, D.H.H., Brendel, C., Genz, H., Löw, W., Müller, S., Richter, A., Inner-Shell Ionization by Relativistic Electron Impact. **293**, 187–201 (1979)
Hoffmann, J., s. Kvitek, J., et al. **294**, 197–198 (1980)
Hofmann, H., Grégoire, C., Lucas, R., Ngô, C., A Theoretical Model for the Charge Equilibration in Heavy Ion Collisions. **293**, 229–240 (1979)
Hofmann, H., s. Werner, E., et al. **299**, 231–239 (1981)
Hofmann, H.M., Mertelmeier, T., Herman, M., Tepel, J.W., Hauser-Feshbach Calculations in the Presence of Weakly Absorbing Channels with Special Reference to the Elastic Enhancement Factor and the Factorization Assumption. **297**, 153–160 (1980)
Hofmann, S., Faust, W., Münzenberg, G., Reisdorf, W., Armbruster, P., Güttner, K., Ewald, H., Alpha Decay Studies of Very Neutron Deficient Isotopes of Hf, Ta, W, and Re. **291**, 53–70 (1979)
Hofmann, S., Münzenberg, G., Heßberger, F., Reisdorf, W., Armbruster, P., Thuma, B., New Neutron Deficient Isotopes in the Range of Elements Tm to Pt (Short Note). **299**, 281–282 (1981)
Hofmann, S., s. Münzenberg, G., et al. **300**, 107–108 (1981)

Hofstra, P., Allaart, K., A Broken-Pair Description of ^{89}Y, ^{91}Nb and ^{93}Tc. **292**, 159–169 (1979)
Hofstra, P., s. Egmonu, A. van, et al. **300**, 323–327 (1981)
Hogan, J.J., An Evaluation of Alpha Particle Clustering in Heavy Nuclei. **295**, 169–175 (1980)
Hogan, J.J., Decay of the Complete Fusion Nucleus, ^{151}Eu. **299**, 163–171 (1981)
Hogervorst, W., Helms, H.A., Zaal, G.J., Bouma, J., Blok, J., The Hyperfine Structure and Nuclear Moments of Some Neutron-Deficient As Isotopes. **294**, 1–5 (1980)
Holub, E., Počanić, D., Čaplar, R., Cindro, N., A Consistent Study of Precompound and Compound-Nucleus Emission Mechanisms in Neutron-Induced Reactions. **296**, 341–357 (1980)
Holzmann, R., s. Michel, C., et al. **298**, 213–218 (1980)
Homeyer, H., s. Gamp, A., et al. **300**, 63–70 (1981)
Homeyer, H., s. Oertzen, W. v., et al. **298**, 207–211 (1980)
Honzátko, J., Konečný, K., Bečvář, F., Eissa, E.A., Králik, M., Evidence for Direct Mechanism in the ^{128}Te (n, γ) ^{129}Te Reaction at Thermal Neutron Energies (Short Note). **299**, 183–184 (1981)
Horbatsch, M., Dreizler, R.M., Time Dependent Thomas Fermi Approach to Atomic Collisions. I. High Energy Proton-Atom Scattering. **300**, 119–127 (1981)
Horn, B., s. Böttger, R., et al. **299**, 291–295 (1981)
Hoth, S., s. Böhm, R., et al. **291**, 49–52 (1979)
Hotop, H., s. Breyer, F., et al. **300**, 7–24 (1981)
Hotop, H., s. Lorenzen, J., et al. **297**, 19–23 (1980)
Hove, M.A. Van, s. Borghs, G., et al. **299**, 11–13 (1981)
Hove, M.A. Van, s. Michel, C., et al. **298**, 213–218 (1980)
Hribar, M., s. Kodre, A., et al. **297**, 25–27 (1980)
Huber, B.A., Electron Capture by Slow Multiply Charged Ar and Ne Ions from Atomic Hydrogen. **299**, 307–309 (1981)
Huber, K., s. Günther, W., et al. **295**, 333–340 (1980)
Huber, R., Knapp, M., König, F., Reinhard, H., Weber, H.G., Magnetic Shielding and Spin-Rotation Interaction in Ground State Alkali Molecules. **296**, 95–99 (1980)
Hubert, F., s. Dufour, J.P., et al. **294**, 107–108 (1980)
Hubert, F., s. Rivet, M.F., et al. **296**, 201–213 (1980)
Hübel, H., Diamond, R.M., Stephens, F.S., Herskind, B., Bauer, R., Linear Polarization and Angular Correlation of Continuum γ-Rays. **297**, 237–240 (1980)
Hühnermann, H., s. Höhle, C., et al. **295**, 1–5 (1980)
Hürster, W., s. Kleinschmidt, M., et al. **298**, 253–266 (1980)
Huhle, T., s. Rinneberg, H., et al. **295**, 17–25 (1980)
Hulke, G., Rolfs, C., Trautvetter, H.P., Comparison of the Fusion Reactions $^{12}C + ^{20}Ne$ and $^{16}O + ^{16}O$ near the Coulomb Barrier. **297**, 161–183 (1980)
Hultberg, S., s. Andresen, B., et al. **293**, 181–185 (1979)
Husson, J.P., s. Deprun, C., et al. **295**, 103–104 (1980)
Huyse, M., s. Cornelis, K., et al. **292**, 403–404 (1979)
Hyltén, G., s. Andersson, G., et al. **293**, 241–251 (1979)
Hyuga, H., s. Suzuki, T., et al. **293**, 5–8 (1979)

I

Iori, I., s. D'Erasmo, G., et al. **299**, 41–45 (1981)
Iori, I., s. Ferrero, A., et al. **293**, 123–134 (1979)
Islam, M.A., s. Kennett, T.J., et al. **299**, 323–336 (1981)
Isosimov, I.N., s. Klapdor, H.V., et al. **292**, 249–255 (1979)
Ivanyuk, F.A., Strutinsky, V.M., Energy- and N-Averagings in the Shell Correction Method. **293**, 337–342 (1979)
Iwamoto, A., Greiner, W., The Effect of a Super-Normal Phase Transition on the Collective Mass Parameter. **292**, 301–306 (1979)
Iwamoto, A., Maruhn, J.A., The Behavior of the Temperature-Dependent Cranking Mass Parameter. **293**, 315–326 (1979)
Izycki, M., Backenstoss, G., Tauscher, L., Blüm, P., Guigas, R., Hassler, N., Koch, H., Poth, H., Emmoth, B., Fransson, K., Nilsson, A., Pavlopoulos, P., Zioutas, K., Results on the Measurement of K-Series X-Rays from Antiprotonic Hydrogen. **297**, 1–9 (1980)
Izycki, M., Backenstoss, G., Tauscher, L., Blüm, P., Guigas, R., Hassler, N., Koch, H., Poth, H., Fransson, K., Nilsson, A., Pavlopoulos, P., Zioutas, K., Results of the Search for K-Series X-Rays from Kaonic Hydrogen. **297**, 11–15 (1980)

J

Jachim, M., s. Alkhazov, G.D., et al. **291**, 397–398 (1979)
Jacmart, J.C., s. Gamp, A., et al. **291**, 347–351 (1979); **300**, 63–70 (1981)
Jacmart, J.C., s. Oertzen, W. v., et al. **298**, 207–211 (1980)
Jacmart, J.C., s. Roynette, J.C., et al. **299**, 73–78 (1981)
Jacquet, D., s. Della Negra, S., et al. **300**, 249–300 (1981)
Jahnke, U., s. Oertzen, W. v., et al. **298**, 207–211 (1980)
Jakubassa, D.H., δ-Electrons from K- and L-Shell Ionization in Relativistic Systems. **293**, 281–285 (1979)
Jakubaßa-Amundsen, D.H., Amundsen, P.A., On the Semiclassical Impulse Approximation for Electron Capture in Asymmetric Ion-Atom Collisions. **297**, 203–214 (1980)
Jakubaßa-Amundsen, D.H., Amundsen, P.A., Charge Transfer in Heavy-Ion Collisions at Relativistic Velocities. **298**, 13–19 (1980)
Janicki, M., s. Alkhazov, G.D., et al. **291**, 397–398 (1979)
Jelenković, B., s. Andresen, B., et al. **293**, 181–185 (1979)
Jena, S., Inelasticity Corrections in the Elastic Proton-Deuteron Back-Angle Scattering at Intermediate Energies. **296**, 323–329 (1980)
Jennewein, P., Schoch, B., Electroproduction of Low Energy Charged Pions on ^{9}Be, ^{12}C and ^{16}O. **292**, 27–33 (1979)
Jitschin, W., Meisel, G., Doppler-Free Two-Photon Laser Spectroscopy of Barium I: Hyperfine Splitting and Isotope Shift of High Lying Levels. **295**, 37–43 (1980)
Jönsson, G., s. Bjarle, C., et al. **291**, 383–390 (1979)
Johann, U., s. Dembczyński, J., et al. **291**, 207–218 (1979); **294**, 313–317 (1980)
Johansson, K., s. Fahlander, C., et al. **291**, 93–96 (1979)
Johnson, A., s. Piiparinen, M., et al. **300**, 133–142 (1981)
Johnson, B.M., s. Schuch, R., et al. **293**, 91–92 (1979)
Johnson, R.R., s. Marty, N., et al. **298**, 149–152 (1980)
Johnsson, G.G., s. Nilsson, M., et al. **298**, 158 (1980)
Jolos, R.V., Molina, J.L., Soloviev, V.G., Effect of the Pauli Principle on the Excited States of Doubly-Even Deformed Nuclei. **295**, 147–152 (1980)
Jolos, R.V., Rybarska-Nawrocka, W., Self-Consistent QRPA in the Theory of Nuclear Structure. **296**, 73–78 (1980)
Jones, K.W., s. Schuch, R., et al. **293**, 91–92 (1979)
Jonson, B., s. Ewan, G.T., et al. **296**, 223–228 (1980)
Jonsson, G.G., s. Nilsson, M., et al. **294**, 253–256 (1980)
Jonsson, N.-G., s. Julin, R., et al. **296**, 315–318 (1980)
Julin, R., Kantele, J., Luontama, M., Passoja, A., Poikolainen, T., Bäcklin, A., Jonsson, N.-G., Decay Characteristics of O_2^+ and O_3^+ States in ^{112}Cd and ^{114}Cd. **296**, 315–318 (1980)
Jung, G., s. Decker, R., et al. **294**, 35–49 (1980)
Jungclas, H., s. Lemmertz, P., et al. **298**, 311–314 (1980)
Junghans, G., Bangert, K., Berg, U.E.P., Stock, R., Wienhard, K., The Photodisintegration of ^{6}Li and ^{7}Li. **291**, 353–365 (1979)

K

Käubler, L., Prade, H., Dönau, F., Hagemann, U., Stary, F., Rensfelt, K.-G., Deformation Dependence of Magnetic Moments in the Odd Transitional Nuclei $^{117-125}$Te. **299**, 251–261 (1981)

Kaiser, H., Rauch, H., Badurek, G., Bauspiess, W., Bonse, U., Measurement of Coherent Neutron Scattering Lengths of Gases. **291**, 231–238 (1979)

Kalfas, C.A., Xenoulis, A.C., Adamides, E., Papaïoannou, S., Skouras, L.D., Properties of Electromagnetic Transitions from High-Spin States in ^{94}Mo. **292**, 153–158 (1979)

Kalifa, J., s. Brissaud, I., et al. **293**, 1–4 (1979)

Kalinin, A.M., s. Gierlik, E., et al. **295**, 295–297 (1980)

Kalinnikov, V.G., s. Alkhazov, G.D., et al. **291**, 397–398 (1979); **295**, 305–306 (1980)

Kalinowski, H., Possible Explanation for a Second Deep Inelastic Peak in Heavy-Ion Scattering. **291**, 41–42 (1979)

Kalinowsky, H., s. Gräff, G., et al. **297**, 35–39 (1980)

Kalpakchieva, R., s. Gierlik, E., et al. **295**, 295–297 (1980)

Kam, J. de, Medium Corrections to the Reaction Cross Section for Low Energy Pion ^{4}He Scattering. **296**, 133–140 (1980)

Kanbe, M., s. Fujioka, M., et al. **299**, 283–290 (1981)

Kankeleit, E., s. Wurtinger, W. **293**, 219–227 (1979)

Kantele, J., s. Julin, R., et al. **296**, 315–318 (1980)

Kantus, R., Schmidt-Ott, W.-D., Radiative Capture of Deuterons in Ba and Au. **291**, 377–381 (1979)

Katajanheimo, R., Siivola, A., Lauhakangas, R., In-Beam Study of Excited States in the Nucleus ^{150}Nd. **297**, 123–128 (1980)

Kaup, U., Gelberg, A., Description of Even-Even Krypton Isotopes by the Interacting Boson Approximation. **293**, 311–313 (1979)

Kaup, U., s. Bockisch, A., et al. **292**, 265–269 (1979)

Kaup, U., s. Schäfer, H., et al. **293**, 85–90 (1979)

Kawade, K., Battistuzzi, G., Lawin, H., Sistemich, K., Blomqvist, J., Life-Times of the 4_1^+-States in ^{134}Te and ^{136}Xe. **298**, 187–190 (1980)

Kawade, K., Battistuzzi, G., Lawin, H., Sistemich, K., Blomqvist, J., A μs-Isomer in ^{135}Te. **298**, 273–278 (1980)

Keller, J., s. Sahm, C.-C., et al. **297**, 241–245 (1980)

Kempter, V., s. Speller, E., et al. **291**, 311–318 (1979)

Kempter, V., s. Zehnle, L., et al. **292**, 235–241 (1979)

Kennett, T.J., Prestwich, W.V., Islam, M.A., The Level Structure of ^{104}Rh Deduced from the ^{103}Rh$(n, \gamma)^{104}$ Rh Reaction. **299**, 323–336 (1981)

Kerek, A., s. Auger, G., et al. **296**, 319–322 (1980)

Kerkhoff, H., Micali, G., Werner, K., Wolf, A., Zimmermann, P., Radiative Decay and Autoionization in the ^4D-States of the $3d^9 4s5s$ Configuration in Cu I. **300**, 115–118 (1981)

Kerkhoff, H., Schmidt, M., Zimmermann, P., Lifetimes and Oscillator Strengths in the Triplet System of Zn I. **298**, 249–252 (1980)

Kern, J., Carlson, J.B., Lanier, R.G., Mann, L.G., Struble, G.L., In-Beam Study of ^{174}Lu Isomers. **296**, 195–200 (1980)

Kern, K., s. Kleinschmidt, M., et al. **298**, 253–266 (1980)

Kern, T., Betz, P., Bitterwolf, E., Glatz, F., Röpke, H., Density of High-Spin States in ^{38}Ar and ^{42}Ca. **294**, 51–64 (1980)

Kern, T., s. Bitterwolf, E., et al. **298**, 279–292 (1980)

Kern, Th., s. Glatz, F., et al. **293**, 57–73 (1979)

Ketel, T.J., Vervaet, E.A.Z.M., Verheul, H., Half-Life, g-Factor and Relaxation of the Nuclear Orientation of the Isomeric $11/2^-$ State in ^{139}Pr. **291**, 319–322 (1979)

Ketelle, B.H., s. Halperin, J., et al. **300**, 281–284 (1981)

Kettner, K.U., Lorenz-Wirzba, H., Rolfs, C., The ^{12}C + ^{12}C Reaction at Subcoulomb Energies (I). **298**, 65–75 (1980)

Kettner, K.U., s. Buchmann, L., et al. **296**, 273–280 (1980)

Kettner, K.U., s. Elix, K., et al. **293**, 261–268 (1979)

Keyser, U., Münnich, F., Pahlmann, B., Pfeiffer, B., Experimental Beta-Decay Energies of Very Neutron-Rich Cs Isotopes (Short Note). **300**, 249–250 (1981)

Khan, S.A., s. Singh, S.K., **299**, 337–340 (1981)

Kharitonov, Y.P., s. Gierlik, E., et al. **295**, 295–297 (1980)

Khoo, T.L., s. Wilson, J., et al. **296**, 185–186 (1980)

Kibédi, T., s. Árvay, Z., et al. **298**, 293–295 (1980); **299**, 139–147 (1981)

Kienle, P., s. Armbruster, P. **291**, 399–400 (1979)

Kienle, P., s. Rehm, K.E., et al. **293**, 119–121 (1979)

Kienle, P., s. Zierl, R., et al. **291**, 91–92 (1979)

Kieser, W.E., s. Buchmann, L., et al. **296**, 273–280 (1980)

Kircher, R., Schmid, F.W., Pauli-Correct Separable Potentials for Composite Particle Interactions. **299**, 241–244 (1981)

Kirchner, R., s. Roeckl, E., et al. **294**, 221–232 (1980)

Kirsch, J., Betz, W., Reinhardt, J., Müller, B., Greiner, W., Soff, G., The Impact Parameter Dependence of the Pb + Pb K-MO Spectrum. **292**, 227–234 (1979)

Kisslinger, L.S., The Role of the Rho Meson in Pion-Nucleus Interactions. **291**, 163–166 (1979)

Klapdor, H.V., Oda, T., Metzinger, J., Hillebrandt, W., Thielemann, F.K., The Beta Strength Function and the Astrophysical Site of the r-Process. **299**, 213–229 (1981)

Klapdor, H.V., Wene, C.-O., Isosimov, I.N., Naumow, Yu.W., Determination of Fission Barrier Heights from β-Delayed Fission. **292**, 249–255 (1979)

Klapdor, H.V., s. Andersson, E., et al. **299**, 105–111 (1981)

Klapdor, H.V., s. Petrow, B.F., et al. **292**, 73–77 (1979)

Klapdor, H.V., s. Wischnewski, I.N., et al. **298**, 21–29 (1980)

Kleber, M., Unterseer, K., Dynamical Treatment of Binding, Polarization and Recoil in Asymmetric Ion-Atom Collisions. **292**, 311–318 (1979)

Kleinfeld, A.M., s. Bockisch, A., et al. **291**, 245–254 (1979); **292**, 265–269 (1979)

Kleinfeld, A.M., s. Miller, M., et al. **300**, 97–101 (1981)

Kleinheinz, P., s. Broda, R., et al. **293**, 135–149 (1979)

Kleinheinz, P., s. Daly, P.J., et al. **298**, 173–185 (1980)

Kleinheinz, P., s. Ercan, A., et al. **295**, 197–198 (1980)

Kleinheinz, P., s. Nagai, Y., et al. **296**, 91–92 (1980)

Kleinheinz, P., s. Piiparinen, M., et al. **300**, 133–142 (1981)

Kleinschmidt, M., Fischer, Th., Hammel, G., Hürster, W., Kern, K., Lehmann, L., Rössle, E., Schmitt, H., Production of Positive Pions by Neutron-Proton Collisions. **298**, 253–266 (1980)

Klepper, O., s. Roeckl, E., et al. **294**, 221–232 (1980)

Klewe-Nebenius, H., s. Neumann, B., et al. **296**, 113–122 (1980)

Klinger, W., s. Böhm, R., et al. **291**, 49–52 (1979)

Knapp, M., s. Huber, R., et al. **296**, 95–99 (1980)

Kneissl, U., s. Günther, W., et al. **295**, 333–340 (1980)

Knöpfle, K.T., s. Nitsche, W., et al. **300**, 109–110 (1981)

Knöpfle, K.T., s. Stuirbrink, A., et al. **297**, 307–309 (1980)

Knopf, K., s. Koester, L. **297**, 85–91 (1980)

Knopf, K., s. Koester, L., et al. **292**, 95–103 (1979); **296**, 43–49 (1980)

Kobayashi, M., s. Uda, M., et al. **300**, 1–6 (1981)

Koch, H., s. Izycki, M., et al. **297**, 1–9, 11–15 (1980)

Koch, H.R., Kucheida, D., Fission Products from the ^{197}Au(d, f) Reaction. **295**, 377–383 (1980)

Koch, S., s. Câmpeanu, R.I. **299**, 95–96 (1981)

Kock, P.R. de, s. Richter, W.A. **297**, 343–353 (1980)

Kodre, A., Hribar, M., Pahor, J., Electrons Ejected in Resonant Raman Scattering of X-Rays on Krypton. **297**, 25–27 (1980)

Koen, J.W., s. Buitendag, J.J., et al. **295**, 107–119 (1980)

Koen, J.W., s. Haupt, P., et al. **295**, 135–146 (1980)

Koen, J.W., s. Merwe, J.C., vander, et al. **295**, 121–134 (1980)

König, F., Weber, H.G., Atomic and Molecular Fluorescence with Long Radiative Decay Times from Laser Excited Na_2 (Short Note). **293**, 351–352 (1979)

König, F., s. Huber, R., et al. **296**, 95–99 (1980)
Koenig, I., s. Böttger, R., et al. **299**, 291–295 (1981)
Körner, H.J., s. Rehm, K.E., et al. **293**, 119–121 (1979)
Körner, H.J., s. Sperr, P., et al. **291**, 179–182 (1979); **297**, 355–356 (1980)
Körner, H.J., s. Zierl, R., et al. **291**, 91–92 (1979)
Koester, L., Knopf, K., Slow Neutron Scattering Lengths of the Isotopes of Silver and Indium. **297**, 85–91 (1980)
Koester, L., Knopf, K., Waschkowski, W., Thermal Neutron Scattering Parameters for Light Nuclei ($A = 12$ to 27). **292**, 95–103 (1979)
Koester, L., Knopf, K., Waschkowski, W., Scattering of Slow Neutrons by Arsenic and Selenium Isotopes. **296**, 43–49 (1980)
Kötz, U., Kowalski, J., Neumann, R., Noehte, S., Suhr, H., Winkler, K., Putlitz, G. zu, Laser-Microwave Spectroscopy of Lithium Ions: $2\,^3S_1$ Hyperfine Structure of $^7Li^+$. **300**, 25–30 (1981)
Koglin, E., s. Decker, R., et al. **294**, 35–49 (1980)
Kok, L.P., s. Heemskerk, A.C., et al. **293**, 165–172 (1979)
Kolev, D., s. Abazov, V.M., et al. **296**, 65–72 (1980)
Kollath, K.J., Lucas, C.B., The Critical Position for Elastic Electron Scattering in Neon. **292**, 215–218 (1979)
Koltay, E., s. Árvay, Z., et al. **299**, 139–147 (1981)
Konečný, s. Honzátko, J., et al. **299**, 183–184 (1981)
Konnerth, D., s. Trombik, W., et al. **296**, 187–188 (1980)
Korchin, A.Yu., Shebeko, A.V., Quasifree Peak Parameters and Sum Rules for Electron Scattering on ^{4}He. **299**, 131–137 (1981)
Kormicki, J., s. Alkhazov, G.D., et al. **291**, 397–398 (1979); **295**, 305–306 (1980)
Korotkin, Yu.S., s. Flerov, G.N., et al. **292**, 43–48 (1979)
Korschinek, G., s. Nolte, E., et al. **298**, 191–205 (1980)
Koster, H.T., s. Heemskerk, A.C., et al. **293**, 165–172 (1979)
Kotlyar, V.V., Shebeko, A.V., The Coulomb Integrals and the Diffraction Model of Transfer Reactions. **299**, 311–321 (1981)
Kowalski, H., s. Besch, H.-J., et al. **292**, 197–203 (1979)
Kowalski, J., s. Bayer, R., et al. **292**, 329–336 (1979)
Kowalski, J., s. Bergmann, E., et al. **292**, 401–402 (1979); **294**, 319–322 (1980)
Kowalski, J., s. Kötz, U., et al. **300**, 25–30 (1981)
Králik, M., s. Honzátko, J., et al. **299**, 183–184 (1981)
Krappe, H.J., s. Grossmann, S., **298**, 41–53 (1980)
Krasznahorkay, A., s. Árvay, Z., et al. **298**, 293–295 (1980); **299**, 139–147 (1981)
Kratz, K.-L., Ohm, H., The Neutron Binding Energy in the Neutron-Rich Nucleus ^{93}Sr (Short Note). **295**, 199–200 (1980)
Kratz, K.-L., s. Ohm, H., et al. **296**, 23–33 (1980)
Kratz, J.V., Brüchle, W., Gäggeler, H., Schädel, M., Sümmerer, K., Wirth, G., Fast A/Z Equilibration and Correlated Nucleon Exchange in Damped Collisions of ^{56}Fe Ions with ^{209}Bi. **296**, 141–145 (1980)
Kratz, J.V., s. Franz, G., et al. **291**, 167–174 (1979)
Kratz, J.V., s. Stokstad, R.G., et al. **295**, 269–286 (1980)
Krause, H.H., Arnold, W., Berg, H., Ulbricht, J., Clausnitzer, G., Existence of Mott-Schwinger Interaction by Means of $\vec{p}$-^{12}C Elastic Scattering. **293**, 343–349 (1979)
Krause, H.H., s. Arnold, W., et al. **294**, 7–11 (1980)
Kraushaar, J.J., s. Fields, C.A., et al. **295**, 365–376 (1980)
Kraushaar, J.J., s. Samuelson, L.E., et al. **294**, 353–370 (1980)
Kretz, R., s. Hegewisch, S., et al. **300**, 165–182 (1981)
Krieger, H., s. Aschenbach, J., et al. **292**, 285–291 (1979)
Krieger, H., s. Günther, W., et al. **295**, 333–340 (1980)
Kristiansson, K., s. Bjarle, C., et al. **291**, 383–390 (1979)
Kroneck, P., s. Lutz, O., et al. **300**, 111–114 (1981)
Kroop, V., Behmenburg, W., Collisional Depolarization and Redistribution of Laser Radiation in Near Resonance with a $^2P_{3/2} \leftrightarrow {}^2S_{1/2}$ Transition. **294**, 299–308 (1980)
Kucheida, D., s. Koch, H.R. **295**, 377–383 (1980)
Kühn, W., Albrecht, R., Damjantschitsch, H., Ho, H., Ronningen, R.M., Slemmer, J., Wurm, J.P., Rode, I., Scheibling, F., Fragment Spin Distribution in 400 MeV ^{40}Ar + ^{93}Nb Collisions Investigated by Light-Particle Anisotropies. **298**, 95–101 (1980)
Kühn, W., s. Ho., H., et al. **300**, 205–216 (1981)
Kuhlmann, E., s. Niermann, P., et al. **296**, 263–271 (1980)
Kuhn, U., Genz, H., Löw, W., Richter, A., Müller, H.-W., Measurement of K-Shell Fluorescence Yield of $_{13}$Al, $_{20}$Ca, $_{23}$V and $_{25}$Mn for Vacancies Produced by the Relativistic Electron Impact (Short Note). **300**, 103–104 (1981)
Kuhnen, R., s. Bürger, K.H., et al. **298**, 159–165 (1980)
Kuhnert, A., s. Zimmermann, D., et al. **295**, 307–310 (1980)
Kun, S., s. Strutinsky, V. **299**, 347–352 (1981)
Kuo, T.T.S., s. Faessler, A., et al. **294**, 95–100 (1980)
Kupfer, E., Gabriel, H., Burgdörfer, J., Resonant Coherent Excitation in Atom-Surface Scattering at Grazing Incidence. **300**, 35–41 (1981)
Kutsarova, T., s. Morek, T., et al. **298**, 267–271 (1980)
Kvitek, J., Hoffmann, J., Červená, J., Vacik, J., Becvar, F., Popov, Y.P., The ^{147}Sm$(n, \alpha)^{144}$Nd Reaction on 2 keV Neutrons (Short Note). **294**, 197–198 (1980)
Kvitek, K., Hnatowicz, V., Červená, J., Vacik, J., Gledenov, V.M., Proton Transitions in ^{22}Na$(n, p)^{22}$Ne Reaction (Short Note). **299**, 187–188 (1981)
Kwiatkowski, M., Teppner, U., Zimmermann, P., Lifetime Measurements in the Triplet System of Mg I. **294**, 109–111 (1980)

L

Lamontagne, C.R., Frois, B., Slobodrian, R.J., Conzett, H.E., Leemann, Ch., The $\vec{p}$-Si Elastic Scattering in the Region of Giant Multipole Resonances. **295**, 55–64 (1980)
Lang, W., s. Vermeulen, D., et al. **294**, 149–151 (1980)
Langanke, K., Leutenantsmeyer, J., Stingl, M., Weiguny, A., Antisymmetrization Effects in Alpha-Nucleus Scattering. **291**, 267–270 (1979)
Langhoff, H., s. Mückenheim, W., et al. **300**, 43–46 (1981)
Lanier, R.G., s. Kern, J., et al. **296**, 195–200 (1980)
László, S., s. Árvay, Z., et al. **298**, 293–295 (1980); **299**, 139–147 (1981)
Latzel, G., s. Paetz gen. Schieck, H., et al. **293**, 253–260 (1979)
Lauhakangas, R., s. Katajanheimo, R., et al. **297**, 123–128 (1980)
Lauppe, W.-D., s. Sistemich, K., et al. **292**, 145–151 (1979)
Laville, J.L., s. Ameaume, A., et al. **294**, 159–165 (1980)
Laville, J.L., s. Frascaria, N., et al. **294**, 167–172 (1980)
Lawin, H., s. Kawade, K., et al. **298**, 187–190, 273–278 (1980)
Lawin, H., s. Sistemich, K., et al. **292**, 145–151 (1979)
Lawson, R.D., s. Wilson, J., et al. **296**, 185–186 (1980)
LeBeyec, Y., s. Della Negra, S., et al. **300**, 249–250 (1981)
Leeb, H., Schmid, E.W., A Physical Interpretation of the Discrete Ambiguities in the Optical Potential for Composite Particles. **296**, 51–54 (1980)
Leeb, H., Schmid, E.W., A Test of the Fish Bone Optical Model on α-^{16}O Scattering. **298**, 113–119 (1980)
Leemann, Ch., s. Lamontagne, C.R., et al. **295**, 55–64 (1980)
Lefort, M., Reactions Between Complex Nuclei. The Frontier Between Complete Fusion and Other Dissipative Collisions. **299**, 47–54 (1981)
Lefort, M., s. Agarwal, S., et al. **296**, 287–294 (1980)
Łegowski, S., s. Chwirot, S., et al. **297**, 199–201 (1980)
Lehmann, L., s. Kleinschmidt, M., et al. **298**, 253–266 (1980)
Lehmann, R., s. Bitterwolf, E., et al. **298**, 279–292 (1980)
Lehmann, R., s. Glatz, F., et al. **293**, 57–73 (1979)
Lejeune, A., Richert, J., Mass Transport Mechanism in the Collision of Sulphur on Medium-Weight Nuclei. **296**, 359–365 (1980)

Lejeune, A., Richert, J., Exact Calculation of the Mass Distribution in the Collision Process of ^{32}S on Medium-Weight Nuclei. **299**, 273–275 (1981)
Lemmertz, P., Alquist, L.J., Fass, R., Wollnik, H., Hirdes, D., Jungclas, H., Brandt, R., Schardt, D., Zylicz, J., Studies on Low Spin Yrast State in ^{212m}Po. **298**, 311–314 (1980)
Lenssen, W., s. Paetz gen. Schieck, H., et al. **293**, 253–260 (1979)
Leroux, B., s. Caïtucoli, F., et al. **298**, 219–223 (1980)
Lettau, H., s. Wurst, P., et al. **291**, 151–161 (1979)
Leuchs, G., Walther, H., Quantum Interference Effects in Field Ionization: Application to the Measurement of the Fine Structure Splitting of Highly Excited Na ^2D States. **293**, 93–101 (1979)
Leuchs, G., s. Heldt, J., **291**, 11–13 (1979)
Leutenantsmeyer, J., s. Langanke, K., et al. **291**, 267–270 (1979)
Leuthold, K., s. Hagn, E., et al. **295**, 385–400 (1980)
Lhersonneau, G., s. Cornelis, K., et al. **292**, 403–404 (1979)
Liang, C.F., Paris, P., Peghaire, A., Szichman, H., New Results in the Decay of ^{150}Ho and ^{152}Tm. **297**, 303–306 (1980)
Liang, C.F., Peghaire, A., Paris, P., Weiss, B., Gizon, A., New Isomers in Neutron-Deficient Isotopes of ^{124}Cs and ^{127}Ba (Short Note). **299**, 185–186 (1981)
Libert, J., s. Simon, R.S., et al. **298**, 121–128 (1980)
Lieb, K.P., s. Bergmeister, F.J., et al. **296**, 181–183 (1980)
Lieb, K.P., s. Bockisch, A., et al. **291**, 245–254 (1979)
Lieder, R.M., s. Morek, T., et al. **298**, 267–271 (1980)
Liesen, D., s. Bosch, F., et al. **296**, 11–21 (1980)
Liesen, D., s. Hagmann, S., et al. **298**, 1–6 (1980)
Liljeby, L., s. Andresen, B., et al. **293**, 181–185 (1979)
Lim, T.K., Shimer, B., The Fonseca-Redish-Shanley Solvable Model for a Molecular Three-Body System and the Efimov Effect in Two Dimensions. **297**, 185–188 (1980)
Lindblad, Th., s. Auger, G., et al. **296**, 319–322 (1980)
Lindblad, Th., s. Piiparinen, M., et al. **300**, 133–142 (1981)
Lindenzweig, W., s. Roeckl, E., et al. **294**, 221–232 (1980)
Lindner, B., s. Nilsson, M., et al. **294**, 253–256 (1980); **298**, 158 (1980)
Liu Ken Pao, s. Stuirbrink, A., et al. **297**, 307–309 (1980)
Llabador, Y., s. Dufour, J.P., et al. **294**, 107–108 (1980)
Llabador, Y., s. Rivet, M.F., et al. **296**, 201–213 (1980)
Löhner, H., Ludewigt, B., Frekers, D., Gaul, G., Santo, R., Nuclear Fragmentation with 100 MeV α-Particles. **292**, 35–41 (1979)
Löw, W., s. Hoffmann, D.H.H., et al. **293**, 187–201 (1979)
Löw, W., s. Kuhn, U., et al. **300**, 103–104 (1981)
Lorenz-Wirzba, H., s. Kettner, K.U., et al. **298**, 65–75 (1980)
Lorenzen, J., Hotop, H., Ruf, M.-W., Morgner, H., Rovibronic Structure in the Electron Energy Spectrum for Associative Ionization: $Ne(^3P_2), Ar(^3P_2) + H$. **297**, 19–23 (1980)
Louvel, M., s. Ameaume, A., et al. **294**, 159–165 (1980)
Louvel, M., s. Frascaria, N., et al. **294**, 167–172 (1980)
Løvhøiden, G., s. Straume, O., et al. **293**, 75–83 (1979); **295**, 259–267 (1980)
Lucas, B., s. Dakowski, M., et al. **294**, 289–290 (1980)
Lucas, C.B., s. Kollath, K.J. **292**, 215–218 (1979)
Lucas, R., s. Guerreau, D., et al. **295**, 105–106 (1980)
Lucas, R., s. Hofmann, H., et al. **293**, 229–240 (1979)
Lucas, R., s. Stokstad, R.G., et al. **295**, 269–286 (1980)
Ludewigt, B., s. Löhner, H., et al. **292**, 35–41 (1979)
Lu, P., s. Chan, C.K., **298**, 7–9 (1980)
Lunardi, S., s. Daly, P.J., et al. **298**, 173–185 (1980)
Lund, E., Hoff, P., Aleklett, K., Glomset, O., Rudstam, G., Delayed Neutron Emission Probabilities of Gallium, Bromine, Rubidium, Indium, Antimony, Iodine, and Cesium Precursors. **294**, 233–240 (1980)
Lund, E., s. Aleklett, K., et al. **295**, 331–332 (1980)
Lund, E., s. Hoff, P., et al. **300**, 289–298 (1981)
Lund, T., Brandt, R., Molzahn, D., Tress, G., Vater, P., Marinov, A., Search for Spontaneous Fission Emitters in Atlantis II (Part II). **300**, 285–288 (1981)
Lund, T., s. Halperin, J., et al. **300**, 281–284 (1981)
Lunke, C., s. Marty, N., et al. **298**, 149–152 (1980)
Luontama, M., s. Julin, R., et al. **296**, 315–318 (1980)
Lutter, R., s. Dannhäuser, G., et al. **300**, 71–75 (1981)
Lutz, O., Messner, W., Mohn, K.R., Kroneck, P., Measurement of ^{50}V and ^{51}V Nuclear Moments by Nuclear Magnetic Resonance Methods. **300**, 111–114 (1981)
Lynen, U., s. Berlanger, M., et al. **291**, 133–143 (1979)

M

Macdonald, J.R., s. Behncke, H.-H., et al. **294**, 286 (1980)
Maeda, K., s. Uda, M., et al. **300**, 1–6 (1981)
Maier, H.J., s. Günther, W., et al. **295**, 333–340 (1980)
Mairle, G., s. Stuirbrink, A., et al. **297**, 307–309 (1980)
Manakos, P., Electromagnetically Induced Alpha-Emission in an Analytically Solvable Model. **294**, 25–34 (1980)
Manakos, P., s. Heil, V., **291**, 35–40, 391–395 (1979); **294**, 331–339 (1980)
Mann, L.G., s. Kern, J., et al. **296**, 195–200 (1980)
Mann, R., s. Dohmann, H.D. **291**, 15–22 (1979)
Mannervik, S., s. Andresen, B., et al. **293**, 181–185 (1979)
Maor, D., s. Bosch, F., et al. **296**, 11–21 (1980)
March, N.H., s. Dreizler, R.M. **294**, 203–205 (1980)
Marcinkowski, A., s. Erlandsson, B., et al. **293**, 43–51 (1979)
Marek, J., Stahnke, H.J., Radiative Lifetimes of Optical Levels of Neutral Erbium, Gadolinium and Neodymium. **298**, 81–82 (1980)
Marinov, A., s. Lund, T., et al. **300**, 285–288 (1981)
Mark, S.K., s. Oxorn, K., et al. **294**, 389–394 (1980)
Martin, P.J., s. Zehnle, L., et al. **292**, 235–241 (1979)
Martorell, J., Sprung, D.W.L., Contribution of Electromagnetic Spin-Orbit Interaction to the Isotopic Charge Density Differences in Lead. **298**, 153–157 (1980)
Marty, N., Morlet, M., Willis, A., Perrin, C., Beveridge, J.L., Egger, J.P., Goetz, F., Gretillat, P., Johnson, R.R., Lunke, C., Schwarz, E., Excitation of Isovector Giant Resonances by Inelastic Scattering of Positive Pions on ^{90}Zr at 226 MeV. **298**, 149–152 (1980)
Marty, N., s. Djalali, C., et al. **298**, 79–80 (1980)
Maruhn, J.A., s. Cusson, R.Y., et al. **294**, 257–260 (1980)
Maruhn, J.A., s. Iwamoto, A. **293**, 315–326 (1979)
Maruhn, J.A., s. Stöcker, H., et al. **293**, 173–179 (1979); **294**, 125–135 (1980); **295**, 401–402 (1980)
Maruhn, J., s. Hess, P.O., et al. **296**, 147–163 (1980)
Maslow, J.N., s. Weber, H.J. **297**, 271–274 (1980)
Maslov, O.D., s. Flerov, G.N., et al. **292**, 43–48 (1979)
Mathews, G.J., s. Sobotka, L.G., et al. **292**, 191–195 (1979)
Matsuzaki, T., s. Adachi, M., et al. **295**, 251–258 (1980)
Matthias, E., s. Gerhardt, H., et al. **292**, 7–14 (1979)
Matthias, E., s. Rinneberg, H., et al. **295**, 17–25 (1980)
Matthias, E., s. Wenz, R., et al. **295**, 303–304 (1980)
Mattsson, S., s. Ewan, G.T., et al. **296**, 223–228 (1980)
Matuszek, J., s. Borderie, B., et al. **299**, 263–271 (1981)
Mauhourat, M.B., s. Dufour, J.P., et al. **294**, 107–108 (1980)
Mayer, W.A., s. Sperr, P., et al. **297**, 355–356 (1980)
Mazur, C., s. Dakowski, M., et al. **294**, 289–290 (1980)
McVoy, K.W., Tang, X.T., Weidenmüller, H.A., Analysis of the Coincidence Method for Comparing Atomic and Nuclear Lifetimes. **299**, 195–200 (1981)
McVoy, K.W., s. Bauer, M., et al. **293**, 151–163 (1979)

McVoy, K.W., Nemes, M.C., Direct-Reaction Contributions to Projectile-Fragment Spectra at 10–20 MeV/Nucleon. **295**, 177–185 (1980)
Mecking, B., s. Arends, J., et al. **298**, 103–111 (1980)
Meisel, G., s. Jitschin, W. **295**, 37–43 (1980)
Meißner, E., s. Brandt, H.-W., et al. **291**, 97–102 (1979)
Mello, P.A., s. Bauer, M., et al. **293**, 151–163 (1979)
Mello, P.A., s. Reyes, J. de los. et al. **295**, 247–249 (1980)
Mertelmeier, T., s. Hofmann, H.M., et al. **297**, 153–160 (1980)
Merwe, J.C. van der, Naudé, W.J., Saayman, R., Koen, J.W., Rust, N.J.A., Nuclear Structure Study of ^{51}V. **295**, 121–134 (1980)
Messner, W., s. Lutz, O., et al. **300**, 111–114 (1981)
Metsch, B.C., s. Hees, A.G.M. van, et al. **293**, 327–335 (1979)
Metzinger, J., s. Klapdor, H.V., et al. **299**, 213–229 (1981)
Meyer, M., s. Béraud, R., et al. **299**, 279–280 (1981)
Meyer, R.A., s. Schneider, E.W., et al. **291**, 77–86 (1979)
Meyerhof, W.E., s. Anholt, R., et al. **291**, 287–288 (1979)
Meyerhof, W.E., s. Stoller, C., et al. **297**, 93–99 (1980)
Mezilev, K.A., s. Alkhazov, G.D., et al. **291**, 397–398 (1979); **295**, 305–306 (1980)
Micali, G., s. Kerkhoff, H., et al. **300**, 115–118 (1981)
Michel, C., El Masri, Y., Holzmann, R., Van Hove, M.A., Vervier, J., Lifetimes of Rotational Levels in ^{107}W. **298**, 213–218 (1980)
Michel, C., Vervier, J., Backbending in the $N=96$ Isotones. **299**, 149–161 (1981)
Micheletti, S., s. D'Erasmo, G., et al. **299**, 41–45 (1981)
Milanov, M., s. Abazov, V.M., et al. **296**, 65–72 (1980)
Miller, M., Kleinfeld, A.M., Bockisch, A., Baruth-Ram, K., The Analysis of Elastic and Inelastic Scattering of Alpha Particles Using a Folding Potential. **300**, 97–101 (1981)
Miller, M., s. Bockisch, A., et al. **292**, 265–269 (1979)
Mingay, D.W., s. Barnard, E., et al. **296**, 295–308 (1980)
Miraglia, J.E., s. Garibotti, C.R., et al. **297**, 189–197 (1980)
Mitchell, G.E., s. Chou, B.H., et al. **300**, 157–164 (1981)
Mitchell, G.E., s. Watson III, W.A., et al. **294**, 153–158 (1980); **300**, 89–95 (1981)
Mitchell, G.E., s. Wells, W.K., et al. **297**, 215–222 (1980)
Möbius, K.-H., s. Böttger, R., et al. **299**, 291–295 (1981)
Möller, P., s. Schütte, G., et al. **297**, 289–294 (1980)
Mönkediek, J., s. Dopheide, D., et al. **294**, 309–312 (1980)
Mohan, M., Vidhani, T., Glauber Exchange Amplitudes for Electron-Helium Scattering. **295**, 215–217 (1980)
Mohan, M., Vidhani, T., Exchange Corrected Eikonal-Born Approximation for Elastic Scattering of Electrons by Helium. **297**, 285–287 (1980)
Mohn, K.R., s. Lutz, O., et al. **300**, 111–114 (1981)
Mokler, P.H., s. Behncke, H.-H., et al. **294**, 286 (1980)
Mokler, P.H., s. Bosch, F., et al. **296**, 11–21 (1980)
Mokler, P.H., s. Hagmann, S., et al. **298**, 1–6 (1980)
Mokler, P.H., s. Stoller, C., et al. **297**, 93–99 (1980)
Molho, N., s. Ferrero, A., et al. **293**, 123–134 (1979)
Molina, J.L., s. Dymarz, R., et al. **299**, 245–249 (1981)
Molina, J.L., s. Jolos, R.V., et al. **295**, 147–152 (1980)
Molzahn, D., s. Lund, T., et al. **300**, 285–288 (1981)
Monnand, E., s. Ohm, H., et al. **296**, 23–33 (1980)
Monnand, E., s. Sistemich, K., et al. **292**, 145–151 (1979)
Morek, T., Beuscher, H., Bochev, B., Haenni, D.R., Lieder, R.M., Kutsarova, T., Müller-Veggian, M., Neskakis, A., Isomeric States in ^{134}Ba. **298**, 267–271 (1980)
Morenzoni, E., s. Bürgy, P., et al. **300**, 105–106 (1981)
Morenzoni, E., s. Stoller, C., et al. **297**, 93–99 (1980)
Moretto, L.G., s. Sobotka, L.G., et al. **292**, 191–195 (1979)
Morgner, H., s. Lorenzen, J., et al. **297**, 19–23 (1980)
Morjean, M., s. Dakowski, M., et al. **294**, 289–290 (1980)
Morlet, M., s. Djalali, C., et al. **298**, 79–80 (1980)
Morlet, M., s. Marty, N., et al. **298**, 149–152 (1980)
Morović, T., s. Euler, R., et al. **297**, 101–104 (1980)
Mosel, U., s. Diebel, M. **293**, 53–56 (1979)
Mosel, U., s. Schöne, C., et al. **294**, 351–352 (1980)
Mosel, U., s. Wolf, R., et al. **294**, 261–276 (1980)
Mouchaty, G., s. Rivet, M.F., et al. **296**, 201–213 (1980)
Mouchel, D., Nylandsted Larsen, A., Hansen, H.H., Half-Life of the 6.21 keV Level in ^{181}Ta. **300**, 85–88 (1981)
Mouchel, D., s. Nylandsted Larsen, A., et al. **294**, 191–195 (1980)
Mückenheim, W., Rullhusen, P., Smend, F., Schumacher, M., Endres, G., Langhoff, H., Nuclear Resonance Fluorescence in ^{238}U and a New Approach to Doppler-Shift-Attenuation Using High Speed Rotation. **300**, 43–46 (1981)
Mückenheim, W., s. Schumacher, M., et al. **300**, 193–203 (1981)
Müller, B., s. Gärtner, P., et al. **300**, 143–155 (1981)
Müller, B., s. Kirsch, J., et al. **292**, 227–234 (1979)
Müller, B., s. Müller, U., et al. **297**, 357–358 (1980); **299**, 90 (1981)
Müller, B., s. Reinhardt, J., et al. **292**, 211–212 (1979)
Müller, B., s. Soff, G., et al. **294**, 137–147 (1980); **299**, 189–194 (1981)
Müller, H.-W., s. Kuhn, U., et al. **300**, 103–104 (1981)
Müller, K.-H., The Energy Dependent Nucleus-Nucleus Optical Potential in a Nuclear Matter Approach. **295**, 79–86 (1980)
Müller, S., s. Hoffmann, D.H.H., et al. **293**, 187–201 (1979)
Müller, U., Reinhardt, J., Soff, G., Müller, B., Greiner, W., K-Vacancy Formation in Deep Inelastic Nuclear Reactions (Short Note). **297**, 357–358 (1980)
Müller, U., Reinhardt, J., Soff, G., Müller, B., Greiner, W., Erratum: K-Vacancy Formation in Deep Inelastic Nuclear Reactions, **297**, 357–358 (1980); **299**, 90 (1981)
Müller-Veggian, M., s. Morek, T., et al. **298**, 267–271 (1980)
Münchow, L., Pfitzner, A., Schulz, H., The Doorway Concept in Dissipative Heavy-Ion Collisions. **296**, 55–63 (1980)
Münnich, F., s. Keyser, U., et al. **300**, 249–250 (1981)
Münzenberg, G., Hofmann, S., Heßberger, F.P., Reisdorf, W., Schmidt, K.H., Schneider, J.H.R., Armbruster, P., Sahm, C.C., Thuma, B., Identification of Element 107 by α Correlation Chains (Short Note). **300**, 107–108 (1981)
Münzenberg, G., s. Hofmann, S., et al. **291**, 53–70 (1979); **299**, 281–282 (1981)
Münzenberg, G., s. Vermeulen, D., et al. **294**, 149–151 (1980)
Münzenberg, G., s. Sahm, C.-C., et al. **297**, 241–245 (1980)
Müther, H., Waghmare, Y.R., Faessler, A., Brueckner Random Phase Approximation, a Microscopic Description of Particle-Hole States. **294**, 87–94 (1980)
Müther, H., s. Faessler, A., et al. **294**, 95–100 (1980)
Muroi, A., s. Adachi, M., et al. **295**, 251–258 (1980)
Musulmanbecov, J.J., s. Barashencov, V.S., et al. **296**, 371–376 (1980)

N

Nadjakov, E., s. Andrejtscheff, W., et al. **296**, 123–132 (1980)
Nagai, Y., s. Ercan, A., et al. **295**, 197–198 (1980)
Nagai, Y., s. Piiparinen, M., et al. **300**, 133–142 (1981)
Nagai, Y., Styczen, J., Piiparinen, M., Kleinheinz, P., The x-(or Δ) Transition in ^{152}Dy (Short Note). **296**, 91–92 (1980)
Nagel, M., s. Hinneburg, D., et al. **291**, 113–115 (1979); **299**, 201–207 (1981)
Namyslowski, J.M., Weber, H.J., Bound States and Scattering from Bound States in the Light-Front Field Theory Dynamics. **295**, 219–234 (1980)
Narumi, H., s. Eichler, J., **295**, 209–214 (1980)
Naudé, W.J., s. Buitendag, J.J., et al. **295**, 107–119 (1980)
Naudé, W.J., s. Haupt, P., et al. **295**, 135–146 (1980)
Naudé, W.J., s. Merwe, J.C. van der, et al. **295**, 121–134 (1980)

Naumann, R.A., Daniel, H., A Model Requiring Constant Negative Muon Coulomb Capture Ratios for Simple Ionic Crystals. **291**, 33–34 (1979)
Naumov, Yu.W., s. Klapdor, H.V., et al. **292**, 249–255 (1979)
Naumow, Yu.W., s. Petrow, B.F., et al. **292**, 73–77 (1979)
Navotny, V.Sh., s. Azimov, S.A., et al. **291**, 189–197 (1979)
Nayak, R.C., s. Gross, D.H.E., et al. **299**, 63–72 (1981)
Negra, S. Della, s. Deprun, S., et al. **295**, 103–104 (1980)
Nemes, M.C., s. Seligman, T.H., The Relation Between Channel Averages and Energy Averaged Cross Sections. **295**, 243–245 (1980)
Nemes, M.C., s. McVoy, K.W. **295**, 177–185 (1980)
Nemeth, J., s. Dietrich, K. **300**, 183–192 (1981)
Nenoff, N., s. Abazov, V.M., et al. **296**, 65–72 (1980)
Nerlo-Pomorska, G., Microscopic Quadrupole and Hexadecapole Moments of Rare Earth Nuclei. **293**, 9–15 (1979)
Neskakis, A., s. Morek, T., et al. **298**, 267–271 (1980)
Neumann, B., Rebel, H., Buschmann, J., Gils, H.J., Klewe-Nebenius, H., Zagromski, S., Projectile Break-Up in Continuous Particle Spectra from Nuclear Reactions Induced by 156 MeV ^{6}Li. **296**, 112–122 (1980)
Neumann, R., s. Bayer, R., et al. **292**, 329–336 (1979)
Neumann, R., s. Kötz, U., et al. **300**, 25–30 (1981)
Ngô, C., s. Berlanger, M., et al. **291**, 133–143 (1979)
Ngô, C., s. Borderie, B., et al. **298**, 235–236 (1980); **299**, 263–271 (1981)
Ngô, C., s. Guerreau, D., et al. **295**, 105–106 (1980)
Ngô, C., s. Hofmann, H., et al. **293**, 229–240 (1979)
Niermann, P., El Tanahy, Z., Glasner, K., Schwenzel, J., Kuhlmann, E., $T=1$ States in ^{26}Al. **296**, 263–271 (1980)
Nikolaev, V.A., s. Antonov, A.N., et al. **297**, 257–260 (1980)
Nilson, K., s. Erlandsson, B., et al. **293**, 43–51 (1979)
Nilsson, A., s. Izycki, M., et al. **297**, 1–9, 11–15 (1980)
Nilsson, L., Svanberg, S., Precision Determination of the Fine-Structure Splittings of the 5*d* and 6*d* States in Potassium. **291**, 303–309 (1979)
Nilsson, M., Schröder, B., Bülow, B., Grintals, J., Jonsson, G.G., Lindner, B., Srinivasa Rao, K., Susila, S., Photoproduction of π^+ from ^{9}Be. **294**, 253–256 (1980)
Nilsson, M., Schröder, B., Bülow, B., Grintals, J., Johnsson, G.G., Lindner, B., Srinivasa Rao, K., Susila, S., Erratum: Photoproduction of π^+ from ^{9}Be. **294**, 253–256 (1980); **298**, 158 (1980)
Nitsche, W., Heckmann, P.H., Träbert, E., Buttlar, H.v., Beam-Foil Excitation Studies of Hydrogen-Like Ions. **299**, 301–306 (1981)
Nitsche, W., Wagner, G.J., Knöpfle, K.T., Grabmayr, P., Riedesel, H., Importance of Nucleon Knock-out in Inelastic α and ^{6}Li Scattering (Short Note). **300**, 109–110 (1981)
Nix, J.R., s. Schütte, G., et al. **297**, 289–294 (1980)
Noehte, S., s. Bayer, R., et al. **292**, 329–336 (1979)
Noehte, S., s. Kötz, U., et al. **300**, 25–30 (1981)
Nöldeke, G., s. Arends, J., et al. **298**, 103–111 (1980)
Nöldeke, G., s. Besch, H.-J., et al. **292**, 197–203 (1979)
Nörenberg, W., s. Ayik, S. **297**, 55–59 (1980)
Nolte, E., Korschinek, G., Heim, U., Investigation of Very Neutron Deficient Ru and Rh Nuclei with the Help of (^{40}Ca; $yp+z\alpha\gamma$) Reactions. **298**, 191–205 (1980)
Nolte, G., s. Schuch, R., et al. **293**, 91–92 (1979)
Nolte, E., s. Spanier, L., et al. **299**, 113–117 (1981)
Norbert, S., s. Bitterwolf, E., et al. **298**, 279–292 (1980)
Norbert, S., s. Glatz, F., et al. **293**, 57–73 (1979)
Novák, D., s. Árvay, Z., et al. **298**, 293–295 (1980)
Novikov, Yu.N., s. Alkhazov, G.D., et al. **291**, 397–398 (1979); **295**, 305–306 (1980)
Nowicki, G., s. Bekk, K., et al. **291**, 219–230 (1979)
Nowicki, L., s. Borderie, B., et al. **298**, 235–236 (1980); **299**, 263–271 (1981)
Nylandsted Larsen, A., Mouchel, D., Hansen, H.H., Half-Life of the 23.87 keV Level in ^{119}Sn. **294**, 191–195 (1980)
Nylandsted Larsen, A., s. Mouchel, D., et al. **300**, 85–88 (1981)
Nyman, G., s. Roeckl, E., et al. **294**, 221–232 (1980)

O

Obukhovsky, I.T., s. Dubovik, V.M. **299**, 341–346 (1981)
Oda, T., s. Klapdor, H.V., et al. **299**, 213–229 (1981)
Oelert, W., s. Budzanowski, A., et al. **293**, 293–299 (1979)
Oertzen, W.v., Rotational Energy and Limits to Fusion Reactions between Two Nuclei. **297**, 295–301 (1980)
Oertzen, W.v., Fuchs, H., Gamp, A., Homeyer, H., Jahnke, U., Jacmart, J.C., Evaporation Residue Cross Sections from the Fusion of ^{52}Cr + ^{110}Pd. **298**, 207–211 (1980)
Oertzen, W.v., s. Bohlen, H.G., et al. **292**, 105–106 (1979)
Oertzen, W.v., s. Wust, P., et al. **291**, 151–161 (1979)
Oganessian, Y.T., s. Flerov, G.N., et al. **292**, 43–48 (1979)
Oganessian, Y.T., s. Gierlik, E., et al. **295**, 295–297 (1980)
Ohm, H., Zendel, M., Prussin, S.G., Rudolph, W., Schröder, A., Kratz, K.-L., Ristori, C., Pinston, J.A., Monnand, E., Schussler, F., Zirnheld, J.P., Beta-Delayed Neutrons and High-Energy Gamma-Rays from Decay of ^{137}I. **296**, 23–33 (1980)
Ohm, H., s. Kratz, K.-L. **295**, 199–200 (1980)
Olmi, A., s. Berlanger, M., et al. **291**, 133–143 (1979)
Oppen, G.v., s. Wolf, A., et al. **292**, 319–327 (1979)
Ossenbrink, H., s. Wust, P., et al. **291**, 151–161 (1979)
Oxorn, K., Singh, B., Mark, S.K., The Decay of 26-*s* ^{94}Rh and 71-*s* ^{94}Rh Isomers. **294**, 389–394 (1980)

P

Paar, V., s. Árvay, Z., et al. **299**, 139–147 (1981)
Paar, V., s. Berghe, G. Vanden. **294**, 183–189 (1980)
Paar, V., s. Egmond, A. van, et al. **300**, 323–327 (1981)
Pade, H.J., Elastic Scattering of Relativistic Electrons by Nuclei in the Helicity Representation. **292**, 275–279 (1979)
Paetz gen. Schieck, H., Latzel, G., Lenssen, W., Berg, G.P.A., Study of $T>$ Fluctuations in $^{94,\,96}$Zr(p,p') in the Energy Region from 11.2 to 13.4 MeV. **293**, 253–260 (1979)
Pahlmann, B., s. Keyser, U., et al. **300**, 249–250 (1981)
Pahor, J., s. Kodre, A., et al. **297**, 25–27 (1980)
Pálinkás, J., Schlenk, B., *L*-Subshell Ionization Cross Sections for Au, Pb, and Bi by 60-600 keV Electron Impact. **297**, 29–33 (1980)
Pantaleo, A., s. D'Erasmo, G., et al. **299**, 41–45 (1981)
Pantelejev, V.N., s. Alkhazov, G.D., et al. **291**, 397–398 (1979); **295**, 305–306 (1980)
Pantis, G., Fiedeldey, H., Sprung, D.W.L., Three-Particle System for Nonlocal Interactions with Continuum Bound States. **291**, 367–375 (1979)
Pantis, G., Fiedeldey, H., Sprung, D.W.L., Three-Particle Bound States for Partly Nonlocal Interactions with Continuum Bound States. **294**, 101–105 (1980)
Papaïoannou, S., s. Kalfas, C.A., et al. **292**, 153–158 (1979)
Paris, P., s. Liang, C.F., et al. **297**, 303–306 (1980); **299**, 185–186 (1981)
Passoja, A., s. Julin, R., et al. **296**, 315–318 (1980)
Patzelt, P., s. Westmeier, W., et al. **299**, 277–278 (1981)
Pauli, H.-C., On Classical Hydrodynamics and Collective Motion as Approximation to the Nuclear Many-Body Problem. **295**, 315–326 (1980)
Pauli, H.-C., s. Grangé, P., et al. **296**, 107–110 (1980); **297**, 354 (1980)
Pavlopoulos, P., s. Izycki, M., et al. **297**, 1–9, 11–15 (1980)

Pedersen, J., s. Borggreen, J., et al. **294**, 113–124 (1980)
Peghaire, A., s. Liang, C.F., et al. **297**, 303–306 (1980); **299**, 185–186 (1981)
Peker, L.K., Rasmussen, J.O., Hamilton, J.H., Bandcrossing in K ≠ O Bands. **292**, 271–273 (1979)
Peltier, S., Plastino, A., Density Matrix Approach to the Hartree-Fock Problem. **300**, 239–245 (1981)
Pengo, R., s. Ercan, A., et al. **295**, 197–198 (1980)
Pengo, R., s. Piiparinen, M., et al. **300**, 133–142 (1981)
Penionzhkevich, Y.E., s. Gierlik, E., et al. **295**, 295–297 (1980)
Penselin, S., s. Dembczyński, J., et al. **291**, 207–218 (1979)
Perrin, P., s. Caïtucoli, F., et al. **298**, 219–223 (1980)
Perrin, C., s. Marty, N., et al. **298**, 149–152 (1980)
Perschmann, W.-D., s. Wolf, A., et al. **292**, 319–327 (1979)
Péter, J., s. Borderie, B., et al. **299**, 263–271 (1981)
Péter, J., s. Dakowski, M., et al. **294**, 289–290 (1980)
Petkov, I.Z., s. Antonov, A.N., et al. **297**, 257–260 (1980)
Petrov, V.I., s. Azimov, S.A., et al. **291**, 189–197 (1979)
Petrow, B.F., Naumow, Yu.W., Klapdor, H.V., Structure in the Beta Strength Function of Very Neutron-Rich Rb-Isotopes. **292**, 73–77 (1979)
Pfeiffer, B., s. Keyser, U., et al. **300**, 249–250 (1981)
Pfeiffer, H., Reinhard, P.-G., Drechsel, D., A Model Study of Hartree-Fock and Linear Response in Coordinate Space. **292**, 375–383 (1979)
Pfitzner, A., s. Münchow, L., et al. **296**, 55–63 (1980)
Pham, Dinh-Lien, Swiniarski, R. de, Spin-Orbit Deformation in the Inelastic Scattering of Polarized Protons from ^{12}C and ^{16}O. **291**, 327–330 (1979)
Pham, Dinh-Lien, s. Swiniarski, R. de. **296**, 367–369 (1980)
Phatak, S.C., Impulse-Approximation Correction in Pion-Nucleus Optical Potential. **298**, 305–309 (1980)
Piepenbring, R., The Asymmetric Rotator Model Applied to Odd-Mass Iridium Isotopes. **297**, 73–83 (1980)
Pieper, S.C., s. Wolf, R., et al. **294**, 261–276 (1980)
Pigeon, R., s. Slobodrian, R.J., et al. **291**, 261–266 (1979)
Piiparinen, M., Pengo, R., Nagai, Y., Hammarén, E., Kleinheinz, P., Roy, N., Carlén, L., Ryde, H., Lindblad, Th., Johnson, A., Hjorth, S.A., Blomqvist, J., High Spin Shell Model Excitations in ^{149}Gd. **300**, 133–142 (1981)
Piiparinen, M., s. Ercan, A., et al. **295**, 197–198 (1980)
Piiparinen, M., s. Nagai, Y., et al. **296**, 91–92 (1980)
Pinston, J.A., s. Ohm, H., et al. **296**, 23–33 (1980)
Piotrowski, J., s. Erlandsson, B., et al. **293**, 43–51 (1979)
Piotrowski, A., s. Roeckl, E., et al. **294**, 221–232 (1980)
Plagnol, E., s. Gamp, A., et al. **291**, 347–351 (1979)
Plagnol, E., s. Roynette, J.C., et al. **299**, 73–78 (1981)
Plastino, A., s. Cambiaggio, M.C. **291**, 277–282 (1979)
Plastino, A., s. Civitarese, O., **298**, 31–35 (1980)
Plastino, A., s. Civitarese, O., et al. **291**, 239–243 (1979)
Plastino, A., s. Peltier, S., **300**, 239–245 (1981)
Plochocki, A., s. Roeckl, E., et al. **294**, 221–232 (1980)
Plöhn, H.J., s. Wangler, J., et al. **299**, 23–31 (1981)
Ploszajczak, M., Faber, M.E., An Investigation of the Tensor Force Effects on the Spin-Orbit Splitting in Spherical and Very Deformed Nuclei. **299**, 119–130 (1981)
Ploszajczak, M., s. Faber, M. **291**, 331–337 (1979)
Ploszajczak, M., s. Faessler, A. **295**, 87–101 (1980); **296**, 237–250 (1980)
Počanić, D., s. Holub, E., et al. **296**, 341–357 (1980)
Poffé, N., s. Gamp, A., et al. **291**, 347–351 (1979)
Poggel, G., Faessler, A., Schmid, K.W., Competition Between Strong and De-Coupling in Odd-Odd Mass Nuclei. **299**, 55–62 (1981)
Poikolainen, T., s. Julin, R., et al. **296**, 315–318 (1980)
Poitou, J., s. Stokstad, R.G., et al. **295**, 269–286 (1980)
Poljakov, A.G., s. Alkhazov, G.D., et al. **291**, 397–398 (1979); **295**, 305–306 (1960)
Pomorski, K., Dietrich, K., Derivation of a Proximity Interaction Between Nuclei from the Hartree-Fock Functional with Skyrme Interactions. **295**, 355–364 (1980)
Pomorski, K., s. Baran, A. **291**, 175–178 (1979)
Pomorski, K., s. Baran, A., et al. **295**, 299–301 (1980)
Pomorski, K., s. Werner, E., et al. **299**, 231–239 (1981)
Popeko, A.G., s. Flerov, G.N., et al. **292**, 43–48 (1979)
Popov, Y.P., s. Kvitek, J., et al. **294**, 197–198 (1980)
Possnert, G., s. Fahlander, C., et al. **291**, 93–96 (1979)
Potempa, A., s. Alkhazov, G.D., et al. **291**, 397–398 (1979); **295**, 305–306 (1980)
Poth, H., s. Izycki, M., et al. **297**, 1–9, 11–15 (1980)
Povinec, P., s. Prešnajderová, E., et al. **291**, 283–285 (1979)
Prade, H., s. Käubler, L., et al. **299**, 251–261 (1981)
Pratt, W.W., s. Fields, C.A., et al. **295**, 365–376 (1980)
Presinger, D., s. Böttger, R., et al. **299**, 291–295 (1981)
Prešnajder, P., s. Prešnajderová, E., et al. **291**, 283–285 (1979)
Prešnajderová, E., Prešnajder, P., Povinec, P., Comment on Internal Pair Production in Nuclear Decay. **291**, 283–285 (1979)
Presser, G., Scherer, E., Stähler, J., Inner-Shell Ionization Created by Fluorine Ions in Nearly Symmetric Collisions. **295**, 27–36 (1980)
Prestwich, W.V., s. Kennett, T.J., et al. **299**, 323–336 (1981)
Prull, D.E., s. Samuelson, L.E., et al. **294**, 353–370 (1980)
Prussin, S.G., s. Ohm, H., et al. **296**, 23–33 (1980)
Puddu, G., Quarati, P., Radiative Atomic Recombination of Antiprotons with Light Nuclei. **295**, 327–329 (1980)
Puddu, G., s. Baratella, P., et al. **300**, 263–271 (1981)
Pühlhofer, F., s. Freiesleben, H., et al. **292**, 171–189 (1979)
Putlitz, G. zu, s. Bayer, R., et al. **292**, 329–336 (1979)
Putlitz, G. zu, s. Bergmann, E., et al. **292**, 401–402 (1979); **294**, 319–322 (1980)
Putlitz, G. zu, s. Kötz, U., et al. **300**, 25–30 (1981)

Q

Quarati, P., s. Baratella, P., et al. **300**, 263–271 (1981)
Quarati, P., s. Puddu, G. **295**, 327–329 (1980)
Quentin, P., Brissaud, I., Swiniarski, R. de, The Determination of Hexadecapole Deformation Parameters in Actinide Nuclei and Their Variation Near the Nuclear Surface. **298**, 37–40 (1980)

R

Ramavataram, S., Do Dang, G., A Coupled-Channels Treatment of the Positive-Parity Resonances in ^4He. **298**, 225–234 (1980)
Rao, K. Srinivasa, s. Nilsson, M., et al. **294**, 253–256 (1980)
Rashid, K., Fricke, B., Contribution of the Exact Breit Operator Plus the Electron State-Dependent Screening to the Multiplet and Fine Structure of Muon-Electron Atoms. **297**, 279–283 (1980)
Rasmussen, J.O., s. Peker, L.K., et al. **292**, 271–273 (1979)
Rauch, H., s. Kaiser, H., et al. **291**, 231–238 (1979)
Rauch, V., s. Ho, H., et al. **300**, 205–216 (1981)
Rebel, H., s. Bekk, K., et al. **291**, 219–230 (1979)
Rebel, H., s. Neumann, B., et al. **296**, 113–122 (1980)
Rebel, H., s. Rullhusen, P., et al. **293**, 287–292 (1979)
Rehm, K.E., Essel, H., Hartel, K., Kienle, P., Körner, H.J., Segel, R.E., Sperr, P., Wagner, W., Time Scales for Charge Equilibration in Heavy Ion Collisions. **293**, 119–121 (1979)
Rehm, K.E., s. Sperr, P., et al. **291**, 179–182 (1979)
Rehm, K.E., s. Zierl, R., et al. **291**, 91–92 (1979)
Reidy, J.J., s. Bergmann, R., et al. **291**, 129–131 (1979)
Reinhard, H., s. Huber, R., et al. **296**, 95–99 (1980)

Reinhard, P.-G., Goeke, K., Cusson, R.Y., A Time Dependent RPA-Theory for Heavy Ion Reactions. **295**, 45–54 (1980)
Reinhard, P.-G., s. Pfeiffer, H., et al. **292**, 375–383 (1979)
Reinhardt, J., Müller, B., Greiner, W., Soff, G., Delta Electrons: An Atomic Clock for Deep Inelastic Collisions (Short Note). **292**, 211–212 (1979)
Reinhardt, J., s. Kirsch, J., et al. **292**, 227–234 (1979)
Reinhardt, J., s. Müller, U., et al. **297**, 357–358 (1980); **299**, 90 (1981)
Reinhardt, J., s. Soff, G., et al. **294**, 137–147 (1980)
Reisdorf, W., Analysis of Fissionability Data at High Excitation Energies. I. The Level Density Problem. **300**, 227–238 (1981)
Reisdorf, W., s. Hofmann, S., et al. **291**, 53–70 (1979); **299**, 281–282 (1981)
Reisdorf, W., s. Münzenberg, G., et al. **300**, 107–108 (1981)
Reisdorf, W., s. Roeckl, E., et al. **294**, 221–232 (1980)
Reisdorf, W., s. Stokstad, R.G., et al. **295**, 269–286 (1980)
Reitmann, D., s. Tepel, J.W., et al. **296**, 295–308 (1980)
Rensfelt, K.-G., s. Käubler, L., et al. **299**, 251–261 (1981)
Reus, U., s. Westmeier, W., et al. **299**, 277–278 (1981)
Reuschenbach, M., s. Herzog, P., et al. **294**, 13–15 (1980)
Reyes, J. de los, Mello, P.A., Seligman, T.H., Analyticity and Ergodicity in the Maximum-Entropy Approach to Statistical Nuclear Reactions. **295**, 247–249 (1980)
Ribeiro, J.P., Byrne, J., Determination of β-Particle Longitudinal Polarization in the Decay of ^{210}Bi. **298**, 301–303 (1980)
Ribrag, M., s. Dakowski, M., et al. **294**, 289–290 (1980)
Richel, H., s. Berlanger, M., et al. **291**, 133–143 (1979)
Richert, J., s. Lejeune, A., **296**, 359–365 (1980); **299**, 273–275 (1981)
Richter, A., s. Hoffmann, D.H.H., et al. **293**, 187–201 (1979)
Richter, A., s. Kuhn, U., et al. **300**, 103–104 (1981)
Richter, W.A., Kock, P.R. de, Non-Normal Parity States in Mass 10–15 Nuclei. **297**, 343–353 (1980)
Riedel, C., Wolschin, G., Statistical Fluctuations in Dissipative Heavy-Ion Collisions. **294**, 17–24 (1980)
Riedesel, H., s. Nitsche, W., et al. **300**, 109–110 (1981)
Riedesel, H., s. Stuirbrink, A., et al. **297**, 307–309 (1980)
Riepe, G., s. Budzanowski, A., et al. **293**, 293–299 (1979)
Riess, F., s. Dannhäuser, G., et al. **300**, 71–75 (1981)
Rinker, G.A., s. Borie, E. **296**, 111–112 (1980)
Rinkleff, R.-H., Stark Interaction in the $n\,s\,n\,p\,z\,^3P_1$ Levels of Zinc and Cadmium. **291**, 23–27 (1979)
Rinkleff, R.-H., Stark Effect Investigations of the $4f^{14}6s6p^3P_1$ and $^1P_1$ Levels of Ytterbium. **296**, 101–105 (1980)
Rinneberg, H., Huhle, T., Matthias, E., Timmermann, A., Influence of Atomic Alignment on Crossover Signals in Saturation Spectroscopy. **295**, 17–25 (1980)
Rinneberg, H., s. Gerhardt, H., et al. **292**, 7–14 (1979)
Rinneberg, H., s. Wenz, R., et al. **295**, 303–304 (1980)
Riou, M., s. Frascaria, N., et al. **294**, 167–172 (1980)
Rioux, C., s. Slobodrian, R.J., et al. **291**, 261–266 (1979)
Riska, D.O., Duffy, J.E., Pole Terms and Absorption in the *P*-Wave Pion-Deuteron Interaction. **296**, 35–42 (1980)
Ristinen, R.A., s. Fields, C.A., et al. **295**, 365–376 (1980)
Ristinen, R.A., s. Samuelson, L.E., et al. **294**, 353–370 (1980)
Ristori, C., s. Ohm, H., et al. **296**, 23–33 (1980)
Rivet, M.F., Bimbot, R., Gardès, D., Mouchaty, G., Fleury, A., Hubert, F., Llabador, Y., Deeply Inelastic Transfer Reactions Induced by Heavy Ions in Rare-Earth Targets. **296**, 201–213 (1980)
Rivet, M.F., s. Berlanger, M., et al. **291**, 133–143 (1979)
Rode, I., s. Kühn, W., et al. **298**, 95–101 (1980)
Roeckl, E., Gowdy, G.M., Kirchner, R., Klepper, O., Piotrowski, A., Płochocki, A., Reisdorf, W., Tidemand-Petersson, P., Żylicz, J., Schardt, D., Nyman, G., Lindenzweig, W., The Decay of 0.57 s ^{114}Cs. **294**, 221–232 (1980)
Röpke, H., s. Bitterwolf, E., et al. **298**, 279–292 (1980)
Röpke, H., s. Glatz, F., et al. **293**, 57–73 (1979)
Röpke, H., s. Kern, T., et al. **294**, 51–64 (1980)
Rösel, F., s. Budzanowski, A., et al. **293**, 293–299 (1979)
Rössle, E., s. Kleinschmidt, M., et al. **298**, 253–266 (1980)
Rogge, M., s. Budzanowski, A., et al. **293**, 293–299 (1979)
Rolfs, C., s. Buchmann, L., et al. **296**, 273–280 (1980)
Rolfs, C., s. Elix, K., et al. **293**, 261–268 (1979)
Rolfs, C., s. Hulke, G., et al. **297**, 161–183 (1980)
Rolfs, C., s. Kettner, K.U., et al. **298**, 65–75 (1980)
Ronningen, R.M., s. Kühn, W., et al. **298**, 95–101 (1980)
Rosén, A., s. Euler, R., et al. **297**, 101–104 (1980)
Rosén, A., s. Grundevik, P., et al. **292**, 307–310 (1979)
Rosendahl, E.W., s. Dopheide, D., et al. **294**, 309–312 (1980)
Rosenfelder, R., Wigner Transform and the Eikonal Approximation for Nonlocal Potentials. **293**, 25–29 (1979)
Ross, U., s. Beck, D., et al. **293**, 107–117 (1979); **299**, 97–104 (1981)
Rost, H., s. Arends, J., et al. **298**, 103–111 (1980)
Roturier, J., s. Andriamonje, S., et al. **300**, 31–34 (1981)
Roulet, C., s. Auger, G., et al. **296**, 319–322 (1980)
Roy, D.N., Singh, L.S., Combined Classical Theory for Excitation of Alkali Metal Atoms by Electron-Impact. **292**, 117–122 (1979)
Roy, N., s. Piiparinen, M., et al. **300**, 133–142 (1981)
Roy, R., s. Slobodrian, R.J., et al. **291**, 261–266 (1979)
Roy, R.R., s. Ebong, I.D.U. **299**, 209–212 (1981)
Roynette, J.C., Frascaria, N., Blumenfeld, Y., Jacmart, J.C., Plagnol, E., Garron, J.P., Gamp, A., Fuchs, H., Light Particle Coincidences with Gross Structure in Energy Spectra from the ^{40}Ca + ^{40}Ca Collision. **299**, 73–78 (1981)
Roynette, J.C., s. Ameaume, A., et al. **294**, 159–165 (1980)
Roynette, J.C., s. Frascaria, N., et al. **294**, 167–172 (1980)
Roynette, J.C., s. Gamp, A., et al. **291**, 347–351 (1979)
Ruchowska, E., s. Dudek, J., et al. **294**, 341–350 (1980)
Rudolph, W., s. Ohm, H., et al. **296**, 23–33 (1980)
Rudstam, G., s. Aleklett, K., et al. **295**, 331–332 (1980)
Rudstam, G., s. Hoff, P., et al. **300**, 289–298 (1981)
Rudstam, G., s. Lund, E., et al. **294**, 233–240 (1980)
Ruf, M.-W., s. Lorenzen, J., et al. **297**, 19–23 (1980)
Rullhusen, P., Smend, F., Schumacher, M., Hanser, A., Rebel, H., Coulomb Correction to Delbrück Scattering Investigated at $Z = 94$. **293**, 287–292 (1979)
Rullhusen, P., s. Mückenheim, W., et al. **300**, 43–46 (1981)
Rullhusen, P., s. Schumacher, M., et al. **300**, 193–203 (1981)
Rurarz, E., s. Alkhazov, G.D., et al. **291**, 397–398 (1979); **295**, 305–306 (1980)
Rust, N.J.A., s. Buitendag, J.J., et al. **295**, 107–119 (1980)
Rust, N.J.A., s. Haupt, P., et al. **295**, 135–146 (1980)
Rust, N.J.A., s. Merwe, J.C. van der, et al. **295**, 121–134 (1980)
Rybarska-Nawrocka, W., s. Jolos, R.V. **296**, 73–78 (1980)
Rydberg, S., s. Grundevik, P., et al. **292**, 307–310 (1979)
Ryde, H., s. Piiparinen, M., et al. **300**, 133–142 (1981)
Ryšavý, M., s. Dragoun, O., et al. **292**, 399–400 (1979)
Ryšavý, M., s. Fujioka, M., et al. **299**, 283–290 (1981)

S

Saathoff, W., s. Dehnhard, D., et al. **291**, 71–75 (1979)
Saathoff, W., s. Wust, P., et al. **291**, 151–161 (1979)
Saayman, R., s. Buitendag, J.J., et al. **295**, 107–119 (1980)
Saayman, R., s. Merwe, J.C. van der, et al. **295**, 121–134 (1980)
Sahm, C.-C., Schulte, H., Vermeulen, D., Keller, J., Clerc, H.-G., Schmidt, K.-H., Heßberger, F., Münzenberg, G., The Influence of the Fission Barrier on the Mass Distribution in Reactions with Symmetric Fragmentation. **297**, 241–245 (1980)
Sahm, C.C., s. Münzenberg, G., et al. **300**, 107–108 (1981)

Sakakura, M., s. Shikata, Y., et al. **300**, 217–226 (1981)
Saloner, D., Weidenmüller, H.A., Strong Coupling Effects in the Transport Equation for Deeply Inelastic Heavy-Ion Collisions. **294**, 207–216 (1980)
Samanta, B.C., s. Dey, J., et al. **296**, 229–235 (1980)
Samuelson, L.E., Emigh, R.A., Prull, D.E., Anderson, R.E., Kraushaar, J.J., Ristinen, R.A., Low-Lying Excited States of ^{106}Ag Studied with the ^{103}Rh(α, $n\gamma$)^{106}Ag and ^{104}Pd(α, $pn\gamma$)^{106}Ag Reactions. **294**, 353–370 (1980)
Samuelson, L.E., s. Fields, C.A., et al. **295**, 365–376 (1980)
Sandner, W., s. Böhm, R., et al. **291**, 49–52 (1979)
Sann, H., s. Berlanger, M., et al. **291**, 133–143 (1979)
Santo, R., s. Löhner, H., et al. **292**, 35–41 (1979)
Santos, F.D., Deformed Tensor Interactions in Deuteron Elastic and Inelastic Scattering. **295**, 73–77 (1980)
Sasa, Y., s. Uda, M., et al. **300**, 1–6 (1981)
Satpathy, L., s. Gross, D.H.E., et al. **299**, 63–72 (1981)
Schaden, M., s. Hammel, E., et al. **299**, 173–176 (1981)
Schädel, M., s. Kratz, J.V., et al. **296**, 141–145 (1980)
Schäfer, H., Dewald, A., Gelberg, A., Kaup, U., Zell, K.O., Brentano, P. von, $E2$ Transition Probabilities in ^{77}Br. **293**, 85–90 (1979)
Schäuble, W., s. Zehnle, L., et al. **292**, 235–241 (1979)
Schardt, D., s. Lemmertz, P., et al. **298**, 311–314 (1980)
Schardt, D., s. Roeckl, E., et al. **294**, 221–232 (1980)
Schartner, K.-H., s. Beyer, H.F., et al. **292**, 353–361 (1979)
Schartner, K.-H., s. Eckhardt, M., et al. **292**, 337–345, 347–352 (1979)
Schatz, G., s. Bekk, K., et al. **291**, 219–230 (1979)
Scheibling, F., s. Ho, H., et al. **300**, 205–216 (1981)
Scheibling, F., s. Kühn, W., et al. **298**, 95–101 (1980)
Schepper, W., s. Beck, D., et al. **293**, 107–117 (1979); **299**, 97–104 (1981)
Scherer, E., s. Presser, G., et al. **295**, 27–36 (1980)
Scheurer, J.N., s. Andriamonje, S., et al. **300**, 31–34 (1981)
Schigolev, N.D., s. Alkhazov, G.D., et al. **291**, 397–398 (1979)
Schindler, K., s. Stuirbrink, A., et al. **297**, 307–309 (1980)
Schlenk, B., s. Pálinkás, J. **297**, 29–33 (1980)
Schmalbrock, P., s. Buchmann, L., et al. **296**, 273–280 (1980)
Schmid, E.W., The Two-Cluster "Fish Bone" Model. **297**, 105–114 (1980)
Schmid, E.W., s. Leeb. H. **296**, 51–54 (1980); **298**, 113–119 (1980)
Schmid, F.W., s. Kircher, R. **299**, 241–244 (1981)
Schmid, K.W., Grümmer, F., Variational Equations for the Solution of the Hartree-Fock Problem with Angular Momentum Projection before the Variation. **292**, 15–26 (1979)
Schmid, K.W., s. Grümmer, F., et al. **300**, 77–84 (1981)
Schmid, K.W., s. Poggel, G., et al. **299**, 55–62 (1981)
Schmidt, K.-H., s. Münzenberg, G., et al. **300**, 107–108 (1981)
Schmidt, K.-H., s. Sahm, C.-C., et al. **297**, 241–245 (1980)
Schmidt, K.-H., s. Vermeulen, D., et al. **294**, 149–151 (1980)
Schmidt, M., s. Kerkhoff, H., et al. **298**, 249–252 (1980)
Schmidt, R., Wolschin, G., Mass Transport in Anharmonic Potentials. **296**, 215–221 (1980)
Schmidt-Böcking, H., s. Bosch, F., et al. **296**, 11–21 (1980)
Schmidt-Ott, W.-D., s. Hautojärvi, A.J., et al. **295**, 341–344 (1980)
Schmidt-Ott, W.-D., s. Kantus, R. **291**, 377–381 (1979)
Schmitt, H., s. Kleinschmidt, M., et al. **298**, 253–266 (1980)
Schmitt, H. von der, s. Besch, H.-J., et al. **292**, 197–203 (1979)
Schneider, E.W., Glascock, M.D., Walters, W.B., Meyer, R.A., Radioactive Decay of 1.7-h ^{149}Nd to Levels of Transitional ^{149}Pm. **291**, 77–86 (1979)
Schneider, E.W., s. Gallagher, P.W., et al. **296**, 81–85 (1980)
Schneider, F., s. Gerhardt, H., et al. **292**, 7–14 (1979)
Schneider, F., s. Wenz, R., et al. **295**, 303–304 (1980)
Schneider, H., s. Engel, H., et al. **291**, 87–89 (1979)
Schneider, J.H.R., s. Münzenberg, G., et al. **300**, 107–108 (1981)
Schneider, R., Werth, G., Ion Storage Technique for Very Long Living States: The Decay Rate of the 5 $D_{3/2}$ State of Ba II. **293**, 103–106 (1979)
Schneider, W.F.W., s. Freiesleben, H., et al. **292**, 171–189 (1979)
Schoch, B., s. Jennewein, P. **292**, 27–33 (1979)
Schöne, C., Diebel, M., Mosel, U., Charge-Drift and Dispersion in Deep Inelastic Collisions in an Equilibrium Model. **294**, 351–352 (1980)
Schrewe, U.J., s. Hautojärvi, A.J., et al. **295**, 341–344 (1980)
Schrøder, B., s. Andersson, G., et al. **293**, 241–251 (1979)
Schröder, A., s. Ohm, H., et al. **296**, 23–33 (1980)
Schröder, B., s. Nilsson, M., et al. **294**, 253–256 (1980); **298**, 158 (1980)
Schröder, H., s. Burgdörfer, J., et al. **295**, 7–16 (1980)
Schuch, R., Nolte, G., Johnson, B.M., Jones, K.W., Impact-Parameter Dependence of K-Shell Vacancy Production in Nb – Mo Collisions (Short Note). **293**, 91–92 (1979)
Schuch, R., s. Bosch, F., et al. **296**, 11–21 (1980)
Schuck, P., s. Durand, M., et al. **296**, 87–90 (1980)
Schürmann, B., Chemtob, M., Direct Versus Thermal Particle Emission in High-Energy Heavy-Ion Collisions: Multiplicity-Selected Proton Inclusive Spectra. **294**, 371–376 (1980)
Schürmann, B., s. Hartmann, K.M. **297**, 311–316 (1980)
Schütte, G., Erratum: Lifetime of Pair Excitations in Nuclear Fission, **288**, 161–166 (1978); **293**, 180 (1979)
Schütte, G., Mass Parameter for Deformation Processes. **296**, 331–339 (1980)
Schütte, G., Möller, P., Nix, J.R., Sierk, A.J., Fission with Microscopic Energy Dissipation. **297**, 289–294 (1980)
Schuh, H.-W., Hippe, D., Cleemann, L., Eberth, J., Vorwerk, R., Zell, K.-O., Brentano, P. v., High Spin States in ^{107}Ag. **293**, 301–309 (1979)
Schuh, W., s. Zell, K.-O., et al. **292**, 135–143 (1979)
Schulé, R., Stafast, H., Bethge, K., Charge-State Distributions and the Population of X-Ray Emitting States. **291**, 117–128 (1979)
Schulte, H., s. Sahm, C.-C., et al. **297**, 241–245 (1980)
Schulz, H., s. Münchow, L., et al. **296**, 55–63 (1980)
Schulze, K.-D., s. Engel, H., et al. **291**, 87–89 (1979)
Schumacher, M., Smend, F., Mückenheim, W., Rullhusen, P., Börner, H.G., Nuclear Photoexcitation and Delbrück Scattering Studied in the Energy Range 2–8 MeV. **300**, 193–203 (1981)
Schumacher, M., s. Mückenheim, W., et al. **300**, 43–46 (1981)
Schumacher, M., s. Rullhusen, P., et al. **293**, 287–292 (1979)
Schussler, F., s. Ohm, H., et al. **296**, 23–33 (1980)
Schussler, F., s. Sistemich, K., et al. **292**, 145–151 (1979)
Schwarz, E., s. Marty, N., et al. **298**, 149–152 (1980)
Schwenzel, J., s. Niermann, P., et al. **296**, 263–271 (1980)
Scripnik, N.S., s. Azimov, S.A., et al. **299**, 367–368 (1981)
Segel, R.E., s. Rehm, K.E., et al. **293**, 119–121 (1979)
Sehgal, M.L., s. Agrawal, H.M., et al. **300**, 313–314 (1981)
Seibert, B., s. Brand, H., et al. **296**, 281–286 (1980)
Seiwert, M., s. Hess, P.O., et al. **296**, 147–163 (1980)
Seligman, T.H., s. Nemes, M.C. **295**, 243–245 (1980)
Seligman, T.H., s. Reyes, J. de los, et al. **295**, 247–249 (1980)
Semjonov, V.M., s. Delion, D.S., et al. **297**, 115–121 (1980)
Sepp, W.-D., s. Euler, R., et al. **297**, 101–104 (1980)
Sergolle, H., s. Auger, G., et al. **296**, 319–322 (1980)
Shaban, A.M., s. Stewart, N.M. **296**, 165–171 (1980)
Shebeko, A.V., s. Korchin, A.Yu. **299**, 131–137 (1981)
Shebeko, A.V., s. Kotlyar, V.V. **299**, 311–321 (1981)
Shikata, Y., Sakakura, M., Sebe, T., A Shell-Model Study on $M1$ and $E2$ Properties of Zn, Ga, and Ge. **300**, 217–226 (1981)
Shimer, B., s. Lim, T.K. **297**, 185–188 (1980)
Shimizu, K., s. Tripathi, R.K., et al. **297**, 275–276 (1980)
Shitikova, K.V., s. Dymarz, R., et al. **299**, 245–249 (1981)
Shyam, R., s. Budzanowski, A., et al. **293**, 293–299 (1979)
Sicre, A., s. Caïtucoli, F., et al. **298**, 219–223 (1980)

Siefert, J., s. Bitterwolf, E., et al. **298**, 279–292 (1980)
Siegert, G., s. Caïtucoli, F., et al. **298**, 219–223 (1980)
Siegert, G., s. Decker, R., et al. **294**, 35–49 (1980)
Sierk, A.J., s. Schütte, G., et al. **297**, 289–294 (1980)
Signarbieux, C., s. Dakowski, M., et al. **294**, 289–290 (1980)
Siivola, A., s. Katajanheimo, R., et al. **297**, 123–128 (1980)
Silbergleit, V.M., s. Szybisz, L. **299**, 91–92 (1981)
Silveira, R. da, Angular Distributions of Elastic and Quasi Elastic Heavy-Ion Collisions. Pattern Analysis. **299**, 79–84 (1981)
Silverans, R.E., Borghs, G., Dumont, G., Van den Cruyce, J.M., Collinear Fast Beam-Laser Spectroscopy on $5d^2D_{3/2,\ 5/2}$ Barium Ions. **295**, 311–314 (1980)
Silverans, R.E., s. Borghs, G., et al. **299**, 11–13 (1981)
Simbel, M.H., Abul-Magd, A.Y., Influence of Angular Momentum Dependence of Charge Transfer in Deeply Inelastic Collisions on Fragment Kinetic Energies. **294**, 277–280 (1980)
Simon, R.S., Folkmann, F., Briançon, C., Libert, J., Thibaud, J.P., Walen, R.J., Frauendorf, S., Rotational Band Crossings in the Actinides. **298**, 121–128 (1980)
Simon, R.S., s. Borggreen, J., et al. **294**, 113–124 (1980)
Singh, B., s. Oxorn, K., et al. **294**, 389–394 (1980)
Singh, L.S., s. Roy, D.N. **292**, 117–122 (1979)
Singh, R., s. Trombik, W., et al. **296**, 187–188 (1980)
Singh, S.K., Khan, S.A., $\bar{\nu}_e + d \rightarrow \bar{\nu}_e + n + p$ and Reaktor Energies. **299**, 337–340 (1981)
Sistemich, K., Lauppe, W.-D., Lawin, H., Schussler, F., Bocquet, J.P., Monnand, E., Blomqvist, J., Evidence for a 10^+ State in ^{132}Te. **292**, 145–151 (1979)
Sistemich, K., s. Kawade, K., et al. **298**, 187–190, 273–278 (1980)
Skalski, J., s. Dudek, J., et al. **294**, 341–350 (1980)
Skouras, L.D., s. Kalfas, C.A., et al. **292**, 153–158 (1979)
Slemmer, J., s. Ho, H., et al. **300**, 205–216 (1981)
Slemmer, J., s. Kühn, W., et al. **298**, 95–101 (1980)
Sletten, G., s. Borggreen, J., et al. **294**, 113–124 (1980)
Slobodrian, R.J., Roy, R., Rioux, C., Pigeon, R., Dasgupta, S.S., Proton Polarization in the ^{14}N(^{3}He, p)^{16}O Reaction Near 10 MeV and Reaction Mechanisms. **291**, 261–266 (1979)
Slobodrian, R.J., s. Lamontagne, C.R., et al. **295**, 55–64 (1980)
Smend, F., s. Mückenheim, W., et al. **300**, 43–46 (1981)
Smend, F., s. Rullhusen, P., et al. **293**, 287–292 (1979)
Smend, F., s. Schumacher, M., et al. **300**, 193–203 (1981)
Smirnov, V.I., s. Flerov, G.N., et al. **292**, 43–48 (1979)
Smither, R.K., s. Wilson, J., et al. **296**, 185–186 (1980)
Sobotka, L.G., Mathews, G.J., Moretto, L.G., A Theoretical Investigation of Shell Effects in Deep Inelastic Collisions. **292**, 191–195 (1979)
Soff, G., Müller, B., Greiner, W., Systematics of Inner-Shell Ionization in Superheavy Quasimolecules. **299**, 189–194 (1981)
Soff, G., Reinhardt, J., Müller, B., Greiner, W., Coupled Channel Analysis of Inner-Shell Vacancy Formation in Superheavy Quasimolecules. **294**, 137–147 (1980)
Soff, G., s. Kirsch, J., et al. **292**, 227–234 (1979)
Soff, G., s. Müller, U., et al. **297**, 357–358 (1980); **299**, 90 (1981)
Soff, G., s. Reinhardt, J., et al. **292**, 211–212 (1979)
Soff, G., s. Wietschorke, K.-H. **300**, 273–276 (1981)
Soloviev, V.G., s. Jolos, R.V., et al. **295**, 147–152 (1980)
Spanier, L., Gui, S.Z., Hick, H., Nolte, E., The Mass Nucleus ^{146}Dy. **299**, 113–117 (1981)
Specht, H.J., s. Freiesleben, H., et al. **292**, 171–189 (1979)
Speller, E., Staudenmayer, B., Kempter, V., Quenching Cross Sections for Alkali-Inert Gas Collisions. **291**, 311–318 (1979)
Sperr, P., Essel, H., Körner, H.J., Rehm, K.E., Fragmentation of the Total Cross Section in the Reaction ^{16}O + ^{208}Pb. **291**, 179–182 (1979)
Sperr, P., Körner, H.J., Mayer, W.A., Wagner, W., Evaporation Residue and Total Reaction Cross Sections for the System ^{36}S + ^{48}Ca (Short Note). **297**, 355–356 (1980)
Sperr, P., s. Rehm, K.E., et al. **293**, 119–121 (1979)
Sperr, P., s. Zierl, R., et al. **291**, 91–92 (1979)
Sprung, D.W.L., s. Martorell, J. **298**, 153–157 (1980)
Sprung, D.W.L., s. Pantis, G., et al. **291**, 367–375 (1979); **294**, 101–105 (1980)
Srinivasa Rao, K., s. Nilsson, M., et al. **298**, 158 (1980)
Stähler, J., s. Presser, G., et al. **295**, 27–36 (1980)
Stafast, H., s. Schulé, R., et al. **291**, 117–128 (1979)
Stahnke, H.J., s. Marek, J. **298**, 81–82 (1980)
Stan-Sion, C., s. Vladuca, G., et al. **295**, 235–242 (1980)
Stary, F., s. Käubler, L., et al. **299**, 251–261 (1981)
Staudenmayer, B., s. Speller, E., et al. **291**, 311–318 (1979)
Steffens, E., s. Böttger, R., et al. **299**, 291–295 (1981)
Stelzer, H., s. Berlanger, M., et al. **291**, 133–143 (1979)
Stelzer, K., s. Gould, C.R., et al. **294**, 323–330 (1980)
Stephan, C., s. Ameaume, A., et al. **294**, 159–165 (1980)
Stephan, C., s. Frascaria, N., et al. **294**, 167–172 (1980)
Stephens, F.S., s. Hübel, H., et al. **297**, 237–240 (1980)
Steudel, A., Triebe, U., Wendlandt, D., Isotope Shift in Ni I and Changes in Mean-Square Nuclear Charge Radii of the Stable Ni Isotopes. **296**, 189–193 (1980)
Steudel, A., s. Brand, H., et al. **296**, 281–286 (1980)
Steudel, A., s. Brandt, H.-W., et al. **291**, 97–102 (1979)
Stewart, N.M., Shaban, A.M., Low Lying Energy Levels of ^{56}Fe from $\gamma - \gamma$ Coincidences. **296**, 165–171 (1980)
Stingl, M., s. Langanke, K., et al. **291**, 267–270 (1979)
Stinner, P., s. Dembczyński, J., et al. **291**, 207–218 (1979); **294**, 313–317 (1980)
Stock, R., s. Junghans, G., et al. **291**, 353–365 (1979)
Stöcker, H., Cusson, R.Y., Maruhn, J.A., Greiner, W., Medium Energy Collisions of Heavy Nuclei in the Three-Dimensional Nuclear Fluid Dynamical-(NFD) and Time-Dependent Hartree-Fock (TDHF) Models. **294**, 125–135 (1980)
Stöcker, H., Graebner, G., Maruhn, J.A., Greiner, W., Pulsating Blobs of Quark Matter in Relativistic Nuclear Collisions (Short Note). **295**, 401–402 (1980)
Stöcker, H., Maruhn, J.A., Greiner, W., Strong Compression Effects in Fast Nuclear Collisions. **293**, 173–179 (1979)
Stöcker, H., s. Cusson, R.Y., et al. **294**, 257–260 (1980)
Stöckli, M., s. Bürgy, P., et al. **300**, 105–106 (1981)
Stokstad, R.G., Reisdorf, W., Hildenbrand, K.D., Kratz, J.V., Wirth, G., Lucas, R., Poitou, J., The Sub-Barrier Fusion of ^{40}Ar with $^{144, 148, 154}$Sm. **295**, 269–286 (1980)
Stoller, C., Morenzoni, E., Wölfli, W., Meyerhof, W.E., Folkman, F., Vincent, P., Mokler, P.H., Armbruster, P., MO X-Ray Angular Distributions from 1 GeV ^{208}Pb + ^{208}Pb and ^{209}Bi + ^{209}Bi Collisions. **297**, 93–99 (1980)
Stoller, Ch., s. Anholt, R., et al. **291**, 287–288 (1979)
Stoller, Ch., s. Bürgy, P., et al. **300**, 105–106 (1981)
Stoughton, R.W., s. Halperin, J., et al. **300**, 281–284 (1981)
Sträter, D., s. Georgiadis, A.P., et al. **300**, 277–279 (1981)
Straume, O., Løvhøiden, G., Burke, D.G., Proton States in ^{143}Pm and ^{145}Pm Populated in the(^{3}He, d) Reaction. **295**, 259–267 (1980)
Straume, O., Løvhøiden, G., Burke, D.G., Flynn, E.R., Sunier, J.W., Single-Proton States in ^{149}Pm. **293**, 75–83 (1979)
Struble, G.L., s. Kern, J., et al. **296**, 195–200 (1980)
Strutinsky, V.M., TI-59 Model for Elastic Scattering of Heavy Nuclei. Part 2. **299**, 177–182 (1981)
Strutinsky, V., Kun, S., TI-Model for Radar Scattering of Heavy Ions. Part 3. **299**, 347–352 (1981)
Strutinsky, V.M., Vydrug-Vlasenko, S.M., Helicity Representation for Deep Inelastic Collisions of Heavy Ions. **294**, 281–285 (1980)
Strutinsky, V.M., s. Ivanyuk, F.A. **293**, 337–342 (1979)
Stuirbrink, A., Wagner, G.J., Knöpfle, K.T., Liu Ken Pao, Mairle, G., Riedesel, H., Schindler, K., Bechtold, V., Friedrich, L., Spin Determination of Deeply-Bound Hole States from ($\vec{d}$, ^{3}He) Reactions. **297**, 307–309 (1980)

Styczen, J., s. Nagai, Y., et al. **296**, 91–92 (1980)
Sümmerer, K., s. Kratz, J.V., et al. **296**, 141–145 (1980)
Suhr, H., s. Bayer, R., et al. **292**, 329–336 (1979)
Suhr, H., s. Kötz, U., et al. **300**, 25–30 (1981)
Sunier, J.W., s. Straume, O., et al. **293**, 75–83 (1979)
Superson, A., s. Baran, A., et al. **295**, 299–301 (1980)
Susila, S., s. Nilsson, M., et al. **294**, 253–256 (1980); **298**, 158 (1980)
Suter, M., s. Bürgy, P., et al. **300**, 105–106 (1981)
Suzuki, T., Hyuga, H., Arima, A., Effects of Core Polarization and Exchange Currents on the Magnetic Form Factors of $Of_{7/2}$ and $Og_{9/2}$-Shell Nuclei. **293**, 5–8 (1979)
Svanberg, S., s. Nilsson, L. **291**, 303–309 (1979)
Švarc, A., Bajzer, Ž., Furić, M., The Influence of the Neutron-Neutron Off-Energy-Shell Interaction on the Differential $\mu^- d$ Capture Rates. **291**, 271–275 (1979)
Svechnikova, L.N., s. Azimov, S.A., et al. **300**, 47–62 (1981)
Swiniarski, R. de, Pham, Dinh-Lien, Imaginary Spin-Orbit Potential in the Inelastic Scattering of Polarized Protons from ^{12}C and ^{16}O. **296**, 367–369 (1980)
Swiniarski, R. de, s. Brissaud, I., et al. **293**, 1–4 (1979)
Swiniarski, R. de, s. Pham, D.-L. **291**, 327–330 (1979)
Swiniarski, R. de., s. Quentin, P., et al. **298**, 37–40 (1980)
Szichman, H., s. Liang, C.F., et al. **297**, 303–306 (1980)
Szostak, D., s. Wolf, A., et al. **292**, 319–327 (1979)
Szybisz, L., Current State of the Investigation of Superallowed Fermi β Decays. **292**, 49–56 (1979)
Szybisz, L., Behrens, H., The Decay of the $T=1$ Isospin Triplet in $A=12$ Systems: IV. The Energy Dependence of the Asymmetry Coefficients $\alpha_{\beta\pm}$ of the Beta-Ray Angular Distribution in Aligned ^{12}B and ^{12}N and the Induced Pseudotensor Interaction. **296**, 309–314 (1980)
Szybisz, L., Silbergleit, V.M., Improved Limit on the Induced Scalar Interaction in Nuclear β-Decay (Short Note). **299**, 91–92 (1981)

T

Takashima, M., s. Fujioka, M., et al. **299**, 283–290 (1981)
Taketani, H., s. Adachi, M., et al. **295**, 251–258 (1980)
Talukdar, B., Das, U., Combined Variable-Phase-Off-Shell Scattering Theory. **291**, 103–105 (1979)
Tamain, B., s. Borderie, B., et al. **298**, 235–236 (1980); **299**, 263–271 (1981)
Tamain, B., s. Dakowski, M., et al. **284**, 289–290 (1980)
Tang, X.T., s. McVoy, K.W., et al. **299**, 195–200 (1981)
Tarasov, V.N., s. Alkhazov, G.D., et al. **291**, 397–398 (1979)
Tarkanyi, F., s. Alkhazov, G.D., et al. **291**, 397–398 (1979); **295**, 305–306 (1980)
Tarrago, X., s. Agarwal, S., et al. **296**, 287–294 (1980)
Tarrago, X., s. Babinet, R., et al. **295**, 153–167 (1980)
Tarrago, X., s. Guerreau, D., et al. **295**, 105–106 (1980)
Tauscher, L., s. Izycki, M., et al. **297**, 1–9, 11–15 (1980)
Tepel, J.W., s. Barnard, E., et al. **296**, 295–308 (1980)
Tepel, J.W., s. Hofmann, H.M., et al. **297**, 153–160 (1980)
Teppner, U., s. Kwiatkowski, M., et al. **294**, 109–111 (1980)
Ter-Akopian, G.M., s. Flerov, G.N., et al. **292**, 43–48 (1979)
Thibaud, J.P., s. Simon, R.S., et al. **298**, 121–128 (1980)
Thielemann, F.K., s. Klapdor, H.V., et al. **299**, 213–229 (1981)
Thuma, B., s. Hofmann, S., et al. **299**, 281–282 (1981)
Thuma, B., s. Münzenberg, G., et al. **300**, 107–108 (1981)
Tickle, R.S., s. Gray, W.S., et al. **292**, 281–284 (1979)
Tidemand-Petersson, P., s. Ewan, G.T., et al. **296**, 223–228 (1980)
Tidemand-Petersson, P., s. Roeckl, E., et al. **294**, 221–232 (1980)
Timmermann, A., High Resolution Two-Photon Spectroscopy of the $6p^2\ ^3P_0 - 7p^3P_0$ Transition in Stable Lead Isotopes (Short Note). **296**, 93–94 (1980)
Timmermann, A., s. Gerhardt, H., et al. **292**, 7–14 (1979)
Timmermann, A., s. Rinneberg, H., et al. **295**, 17–25 (1980)
Todorov, B., s. Abazov, V.M., et al. **296**, 65–72 (1980)
Todorović, Ž., s. Grabež, B., et al. **292**, 67–72 (1979)
Toepfer, A., Gross, E.K.U., Dreizler, R.M., Thomas-Fermi Approach to Diatomic Quasimolecules: Correlation Diagrams for Neutral, Heteronuclear Systems. **298**, 167–171 (1980)
Toki, H., Short Range Behaviour of the N-N Potential Within the Quark Model. **294**, 173–181 (1980)
Toki, H., Yadav, H.L., Faessler, A., Study of Transitional Odd-Odd Mass Nuclei. **292**, 79–94 (1979)
Toki, H., Weise, W., Investigation of the Pion Condensation Threshold in Finite Nuclei. **292**, 389–395 (1979)
Toki, H., Weise, W., The Tensor Force in Heavy Nuclei: High Momentum Collectivity of Unnatural Parity Excitations. **295**, 187–195 (1980)
Tondeur, F., Shell Structure and Stability of Nuclei with $270 < A < 500$ and the Possible Existence of Primordial Superheavy Nuclei. **297**, 61–71 (1980)
Toneev, V.D., s. El-Naghy, A. **298**, 55–59 (1980)
Torre, J., Benayoun, J.J., Chauvin, J., Two Pion Exchange Three Body Potential in Three Nucleon States. **300**, 319–322 (1981)
Träber, F., s. Bürger, K.H., et al. **298**, 159–165 (1980)
Träbert, E., s. Nitsche, W., et al. **299**, 301–306 (1981)
Träger, F., On the Charge Distribution of Calcium Nuclei. **299**, 33–39 (1981)
Träger, F., s. Bergmann, E., et al. **292**, 401–402 (1979); **294**, 319–322 (1980)
Traut, J., s. Gräff, G., et al. **297**, 35–39 (1980)
Trautmann, D., s. Budzanowski, A., et al. **293**, 293–299 (1979)
Trautmann, W., s. Trombik, W., et al. **296**, 187–188 (1980)
Trautvetter, H.P., s. Hulke, G., et al. **297**, 161–183 (1980)
Tréherne, J., s. Béraud, R., et al. **299**, 279–280 (1981)
Tress, G., s. Lund, T., et al. **300**, 285–288 (1981)
Triebe, U., s. Steudel, A., et al. **296**, 189–193 (1980)
Tripathi, R.K., Faessler, A., Shimizu, K., Role of $\Delta(1232)$ in Pion Condensation in ^{16}O (Short Note). **297**, 275–276 (1980)
Trofimova, T.P., s. Azimov, S.A., et al. **300**, 47–62 (1981)
Trombik, W., Dünnweber, W., Trautmann, W., Dahme, W., Eberhard, K.A., Hering, W., Konnerth, D., Singh, R., Spin Alignment in $^{12}C + ^{12}C$ Inelastic Scattering (Short Note). **296**, 187–188 (1980)
Troudet, T., Arvieu, R., Complete Solution of the Cranked Harmonic Oscillator. **291**, 183–188 (1979)
Turek, P., s. Budzanowski, A., et al. **293**, 293–299 (1979)

U

Uda, M., Endo, H., Maeda, K., Sasa, Y., Kobayashi, M., Chemical Effect on F$K\alpha$ X-Ray Satellites Produced by 6 MeV/amu p, α and C^{4+}. **300**, 1–6 (1981)
Ulbricht, J., s. Krause, H.H., et al. **293**, 343–349 (1979)
Unterseer, K., s. Kleber, M. **292**, 311–318 (1979)

V

Vaagen, J.S., s. Bang, J.M. **297**, 223–236 (1980)
Vacik, J., s. Gledenov, V.M., et al. **299**, 187–188 (1981)
Vacik, J., s. Kvitek, J., et al. **294**, 197–198 (1980)
Vandeplassche, D., s. Cornelis, K., et al. **292**, 403–404 (1979)
Vater, P., s. Lund, T., et al. **300**, 285–288 (1981)
Veje, E., s. Andresen, B., et al. **293**, 181–185 (1979)
Venkova, T., s. Andrejtscheff, W., et al. **296**, 123–132 (1980)
Vennink, R., Glaudemans, P.W.M., The Shell Model and Collective Structures in $^{54, 55, 56}Fe$. **294**, 241–252 (1980)

Verheul, H., s. Ketel, T.J., et al. **291**, 319–322 (1979)
Vermeulen, D., Clerc, H.-G., Lang, W., Schmidt, K.-H., Münzenberg, G., ^{212}Th, a New Isotope. **294**, 149–151 (1980)
Vermeulen, D., s. Sahm, C.-C., et al. **297**, 241–245 (1980)
Verplancke, J., s. Cornelis, K., et al. **292**, 403–404 (1979)
Vervaet, E.A.Z.M., s. Ketel, T.J., et al. **291**, 319–322 (1979)
Vervier, J., s. Michel, C. **299**, 149–161 (1981)
Vervier, J., s. Michel, C., et al. **298**, 213–218 (1980)
Vidhani, T., s. Mohan, M. **295**, 215–217 (1980); **297**, 285–287 (1980)
Vincent, P., s. Stoller, C., et al. **297**, 93–99 (1980)
Vladuca, G., Stan-Sion, C., Berinde, A., Zoran, V., Statistical Model Calculations for Medium and Strong Absorption in the $A=90$ Region. **295**, 235–242 (1980)
Vollrath, W., s. Besch, H.-J., et al. **292**, 197–203 (1979)
Vonach, H., s. Hegewisch, S., et al. **300**, 165–182 (1981)
Vorwerk, R., s. Schuh, H.-W., et al. **293**, 301–309 (1979)
Vydrug-Vlasenko, S.M., s. Strutinsky, V.M. **294**, 281–285 (1980)

W

Waghmare, Y.R., s. Müther, H., et al. **294**, 87–94 (1980)
Wagner, G.J., s. Nitsche, W., et al. **300**, 109–110 (1981)
Wagner, G.J., s. Stuirbrink, A., et al. **297**, 307–309 (1980)
Wagner, W., s. Rehm, K.E., et al. **293**, 119–121 (1979)
Wagner, W., s. Sperr, P., et al. **297**, 355–356 (1980)
Wagner, W., s. Zierl, R., et al. **291**, 91–92 (1979)
Waldren, D., s. Besch, H.-J., et al. **292**, 197–203 (1979)
Walen, R.J., s. Simon, R.S., et al. **298**, 121–128 (1980)
Walitzki, H., s. Herzog, P., et al. **294**, 13–15 (1980)
Walters, W.B., s. Gallagher, P.W., et al. **296**, 81–85 (1980)
Walters, W.B., s. Schneider, E.W., et al. **291**, 77–86 (1979)
Walther, H., s. Leuchs, G. **293**, 93–101 (1979)
Wangler, J., Henke, L., Wittmann, W., Plöhn, H.J., Andrä, H.J., Fine Structure of LiI ($n=4$–7)d^2D-Terms by Beam-Foil Quantum-Beat Spectroscopy. **299**, 23–31 (1981)
Wannebo, K., s. Dehnhard, D., et al. **291**, 71–75 (1979)
Warner, D.D., s. Braumandl, F., et al. **292**, 397–398 (1979)
Waschkowski, W., s. Koester, L., et al. **292**, 95–103 (1979); **296**, 43–49 (1980)
Wasim, M., s. Agrawal, H.M., et al. **300**, 313–314 (1981)
Watson III, W.A., Bilpuch, E.G., Mitchell, G.E., Inelastic Proton Amplitudes for f-Wave Resonances in ^{55}Co. **294**, 153–158 (1980)
Watson III, W.A., Bilpuch, E.G., Mitchell, G.E., Statistical Tests Applied to Proton Resonances in ^{57}Co. **300**, 89–95 (1981)
Weber, H.G., Non-Stationary States in Molecular Spectroscopy: The Hanle Effect in NO_2. **293**, 203–209 (1979)
Weber, H.G., s. Huber, R., et al. **296**, 95–99 (1980)
Weber, H.G., s. König, F. **293**, 351–352 (1979)
Weber, H.J., Bag-Model Quantum Chromodynamics at Low Energy. **297**, 261–270 (1980)
Weber, H.J., Maslow, J.N., Bag-Model Quantum Chromodynamics for Hyperons at Low Energy. **297**, 271–274 (1980)
Weber, H.J., s. Namyslowski, J.M. **295**, 219–234 (1980)
Weidenmüller, H.A., s. Grangé, P., et al. **296**, 107–110 (1980); **297**, 354 (1980)
Weidenmüller, H.A., s. McVoy, K.W., et al. **299**, 195–200 (1981)
Weidenmüller, H.A., s. Saloner, D. **294**, 207–216 (1980)
Weiguny, A., s. Langanke, K., et al. **291**, 267–270 (1979)
Weise, J., The Potential Energy Surfaces and the Giant Dipole Resonances of $^{46, 48, 50}$Ti. **300**, 329–338 (1981)
Weise, W., s. Toki, H. **292**, 389–395 (1979); **295**, 187–195 (1980)
Weiss, B., s. Liang, C.F., et al. **299**, 185–186 (1981)
Wells, W.K., Bilpuch, E.G., Mitchell, G.E., Non-Statistical Effects for Inelastic Proton Amplitudes in ^{49}V. **297**, 215–222 (1980)
Wendlandt, D., s. Steudel, A., et al. **296**, 189–193 (1980)
Wene, C.-O., s. Klapdor, H.V., et al. **292**, 249–255 (1979)
Wenz, R., Matthias, E., Rinneberg, H., Schneider, F., Further Evidence for a Linear Relationship Between Changes in Nuclear Charge Radii and Binding Energies per Nucleon (Short Note). **295**, 303–304 (1980)
Wenz, R., s. Gerhardt, H., et al. **292**, 7–14 (1979)
Werner, E., Wio, H.S., Hofmann, H., Pomorski, K., Nuclear Dissipation with Residual Interactions by Means of the Mori Formalism. **299**, 231–239 (1981)
Werner, K., s. Kerkhoff, H., et al. **300**, 115–118 (1981)
Werth, G., s. Blatt, R. **299**, 93–94 (1981)
Werth, G., s. Schneider, R. **293**, 103–106 (1979)
Wese, J., s. Hagn, E., et al. **299**, 353–358 (1981)
West, P.J., s. Gerhardt, H., et al. **292**, 7–14 (1979)
Westerfeldt, C.R., s. Chou, B.H., et al. **300**, 157–164 (1981)
Westhuizen, P. van der, s. Coetzer, F.J. **292**, 369–374 (1979); **294**, 199–202 (1980)
Westmeier, W., Reus, U., Esterlung, R.A., Gilat, J., Patzelt, P., Search for a New Reaction Mechanism in the System ^{132}Xe + ^{nat}Fe (Short Note). **299**, 277–278 (1981)
Wiedner, C.-A., s. Dehnhard, D., et al. **291**, 71–75 (1979)
Wiedner, C.-A., s. Wust, P., et al. **291**, 151–161 (1979)
Wienhard, K., s. Junghans, G., et al. **291**, 353–365 (1979)
Wiescher, M., s. Elix, K., et al. **293**, 261–268 (1979)
Wietschorke, K.-H., Soff, G., Charge Distributions after Ion-Atom Collisions. **300**, 273–276 (1981)
Wilhelm, W., s. Bergmann, R., et al. **299**, 297–300 (1981)
Wilhelm, W., s. Daniel, H., et al. **300**, 253–262 (1981)
Willis, A., s. Djaiali, C., et al. **298**, 79–80 (1980)
Willis, A., s. Marty, N., et al. **298**, 149–152 (1980)
Wilson, J., Faber, S.R., Daly, P.J., Ahmad, I., Borggreen, J., Chowdhury, P., Khoo, T.L., Lawson, R.D., Smither, R.K., Blomqvist, J., The $\pi h^3_{1/2}$ Spectrum in the Three Valence Proton Nucleus $^{149}_{67}Ho_{82}$ (Short Note). **296**, 185–186 (1980)
Winkler, K., s. Bayer, R., et al. **292**, 329–336 (1979)
Winkler, K., s. Kötz, U., et al. **300**, 25–30 (1981)
Winkler, P., Resonances of $(N+1)$-Particle Systems in a Dilated Green's Function Approach. **291**, 199–202 (1979)
Winter, H., Andrä, H.J., Nuclear Polarized ^{7}Li and ^{14}N Ions via Ion Beam Surface Interaction at Grazing Incidence. **291**, 5–9 (1979)
Winterberg, F., Black Body Radiation Imploded Inside a Small Cavity as an Inertial Confinement Fusion Driver. **296**, 3–9 (1980)
Wio, H.S., s. Werner, E., et al. **299**, 231–239 (1981)
Wirth, G., s. Kratz, J.V., et al. **296**, 141–145 (1980)
Wirth, G., s. Stokstad, R.G., et al. **295**, 269–286 (1980)
Wischnewski, I.N., Klapdor, H.V., Herges, P., Fromm, H., Zheldonozhski, W.A., Investigation of the β^+-Decay of $^{105, 106, 108}$In and of $^{100, 102}$Ag. **298**, 21–29 (1980)
Wischnewski, I.N., s. Andersson, E., et al. **299**, 105–111 (1981)
Witthuhn, W., s. Böhm, R., et al. **291**, 49–52 (1979)
Wittmann, W., s. Wangler, J., et al. **299**, 23–31 (1981)
Wölfli, W., s. Bürgy, P., et al. **300**, 105–106 (1981)
Wölfli, W., s. Stoller, C., et al. **297**, 93–99 (1980)
Wohlfarth, H., s. Hegewisch, S., et al. **300**, 165–182 (1981)
Wolf, A., Oppen, G. v., Perschmann, W.-D., Szostak, D., Cascade-Fluorescence Spectroscopy on Impact-Excited He-Atoms Using Level-Crossing Techniques. **292**, 319–327 (1979)
Wolf, A., s. Kerkhoff, H., et al. **300**, 115–118 (1981)
Wolf, R., Mosel, U., Pieper, S.C., Application of the Incoming Wave Boundary Condition to ^{16}O + ^{16}O and ^{12}C + ^{12}C Elastic Scattering. **294**, 261–276 (1980)
Wollnik, H., s. Decker, R., et al. **294**, 35–49 (1980)
Wollnik, H., s. Lemmertz, P., et al. **298**, 311–314 (1980)
Wolschin, G., s. Riedel, C. **294**, 17–24 (1980)

Wolschin, G., s. Schmidt, R. **296**, 215–221 (1980)
Wünsch, K.D., s. Decker, R., et al. **294**, 35–49 (1980)
Wurm, J.P., s. Albrecht, R., et al. **295**, 287–294 (1980)
Wurm, J.P., s. Ho, H., et al. **300**, 205–216 (1981)
Wurm, J.P., s. Kühn, W., et al. **298**, 95–101 (1980)
Wurtinger, W., Kankeleit, E., ^{199}Hg Mössbauer Measurements on Mercury Alloys and Hg-Fluorides. **293**, 219–227 (1979)
Wust, P., Oertzen, W. v., Ossenbrink, H., Lettau, H., Bohlen, H.G., Saathoff, W., Wiedner, C.A., Spin Alignment and Polarisation in the (^{16}O, ^{15}N) Transfer Reactions. **291**, 151–161 (1979)
Wust, P., s. Bohlen, H.G., et al. **292**, 105–106 (1979)

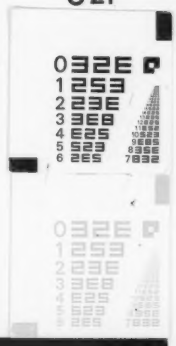
X

Xenoulis, A.C., s. Kalfas, C.A., et al. **292**, 153–158 (1979)

Y

Yadav, H.L., s. Toki, H. **292**, 79–94 (1979)
Yelkin, Yu.V., s. Alkhazov, G.D., et al. **291**, 397–398 (1979)
Yushkievich, Yu.V., s. Alkhazov, G.D., et al. **291**, 397–398 (1979)

Z

Zaal, G.J., s. Hogervorst, W., et al. **294**, 1–5 (1980)
Zagromski, S., s. Neumann, B., et al. **296**, 113–122 (1980)
Zaremba, J., s. Chwirot, S., et al. **297**, 199–201 (1980)
Zech, E., s. Hagn, E. **295**, 345–347 (1980); **297**, 329–332 (1980)
Zech, E., s. Hagn, E., et al. **295**, 385–400 (1980); **300**, 339–344 (1981)
Zehnle, L., Clemens, E., Martin, P.J., Schäuble, W., Kempter, V., Coincidence Studies with Polarisation Analysis of the Photon Emission Induced in *K*-Inert Gas Collisions. **292**, 235–241 (1979)
Zell, K.-O., Gast, W., Hippe, D., Schuh, W., Brentano, P. v., ^{79}Se Investigated by the Reaction ^{76}Ge($\alpha, n\gamma$). **292**, 135–143 (1979)
Zell, K.-O., s. Schäfer, H., et al. **293**, 85–90 (1979)
Zell, K.-O., s. Schuh, K.-W., et al. **293**, 301–309 (1979)
Zendel, M., s. Ohm, H., et al. **296**, 23–33 (1980)
Zerrouki, A., s. Bourgeois, C., et al. **299**, 85–89 (1981)
Zetta, L., s. Ferrero, A., et al. **293**, 123–134 (1979)
Zheldonozhski, W.S., s. Wischnewski, I.N., et al. **298**, 21–29 (1980)
Zierl, R., Essel, H., Kienle, P., Körner, H.J., Rehm, K.E., Sperr, P., Wagner, W., Observation of the Double-Charge-Exchange Reaction ^{48}Ca(^{32}S, ^{32}Si)^{48}Ti at E_{lab}=125 MeV. **291**, 91–92 (1979)
Zimmermann, D., Zimmermann, P., Aepfelbach, G., Kuhnert, A., Isotope Shift and Hyperfine Structure of the Transition $5d6s^2\ ^2D_{3/2} - 5d6s6p\ ^4F_{3/2}$ of Lu^{175} and Lu^{176}. **295**, 307–310 (1980)
Zimmermann, P., s. Kerkhoff, H., et al. **298**, 249–252 (1980); **300**, 115–118 (1981)
Zimmermann, P., s. Kwiatkowski, M., et al. **294**, 109–111 (1980)
Zimmermann, P., s. Zimmermann, D., et al. **295**, 307–310 (1980)
Zirnheld, J.P., s. Ohm, H., et al. **296**, 23–33 (1980)
Zioutas, K., s. Izycki, M., et al. **297**, 1–9, 11–15 (1980)
Zitzmann, R., s. Gould, C.R., et al. **294**, 323–330 (1980)
Zohni, O., s. Billerey, R., et al. **297**, 317–321 (1980)
Zoppo, A. Del, s. Borggreen, J., et al. **294**, 113–124 (1980)
Zoran, V., s. Albrecht, R., et al. **295**, 287–294 (1980)
Zoran, V., s. Vladuca, G., et al. **295**, 235–242 (1980)
Zvara, I., s. Flerov, G.N., et al. **292**, 43–48 (1979)
Żylicz, J., s. Lemmertz, P., et al. **298**, 311–314 (1980)
Żylicz, J., s. Roeckl, E., et al. **294**, 221–232 (1980)

C21